



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 99699**

**TO: Minh-Tam Davis**  
**Location: CM1/8A01/8E12**  
**Art Unit: 1642**  
**Monday, July 28, 2003**

**Case Serial Number: 09/991681**

**From: Edward Hart**  
**Location: Biotech-Chem Library**  
**CM1-6B02**  
**Phone: 305-9203**

**edward.hart@uspto.gov**

### **Search Notes**

Examiner Davis,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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# STIC SEARCH RESULTS

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor  
308-4258, CM1-1E01

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CM1 - Circ Desk



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**Davis, Minh-Tam**

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**From:** Chakrabarti, Arun K.  
**Sent:** Tuesday, August 05, 2003 6:37 AM  
**To:** Davis, Minh-Tam  
**Subject:** RE: 10/000628

12B09

Please come today (Tuesday, August 5) at 12:30 p.m. Thanks!  
-- ARUN

-----Original Message-----

**From:** Davis, Minh-Tam  
**Sent:** Monday, August 04, 2003 9:18 AM  
**To:** Chakrabarti, Arun K.  
**Subject:** RE: 10/000628

When would it be convenient for you? What is the SEQ ID NO: for PCIGF polypeptides?  
Thanks  
Tam

-----Original Message-----

**From:** Chakrabarti, Arun K.  
**Sent:** Tuesday, July 29, 2003 8:19 AM  
**To:** Davis, Minh-Tam  
**Subject:** RE: 10/000628

I have started e-DAN about five months ago. I don't keep any case in my office. I am sorry but if you would like to look at electronic form, you need to come to my office 12B09. Thanks!  
-- ARUN

-----Original Message-----

**From:** Davis, Minh-Tam  
**Sent:** Tuesday, July 29, 2003 8:10 AM  
**To:** Chakrabarti, Arun K.  
**Subject:** RE: 10/000628

Do you have the case? Can I look at it?  
Thanks  
Tam

-----Original Message-----

**From:** Chakrabarti, Arun K.  
**Sent:** Monday, July 28, 2003 2:25 PM  
**To:** Davis, Minh-Tam  
**Subject:** RE: 10/000628

Yes, the claims are drawn to PCIGF polypeptides. Sorry for being late to reply. Thanks!  
-- ARUN

-----Original Message-----

**From:** Davis, Minh-Tam  
**Sent:** Tuesday, July 22, 2003 4:08 PM  
**To:** Chakrabarti, Arun K.  
**Subject:** 10/000628

I have a related case 09/991681, drawn to a polypeptide of SEQ ID NO:27-31. I would like to check for any double patenting.  
Can you check whether the elected claims of 10/000628 that you have done first Office action are drawn to any polypeptide?  
I could not get a hold of your case because it is on image.  
Thanks  
MINH TAM DAVIS  
ART UNIT 1642,, ROOM 8A01, MB 8E12

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305-2008

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:47:13 ; Search time 46.2635 Seconds

(without alignments)  
473.743 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698  
Sequence: 1 RIRMAQGVFMIDQCSPKT.....VRQAVREMLGRVGRVYDITV 518

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTCUTS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2698	100.0	518	4	US-09-065-383-27
2	260	9.6	49	4	US-09-065-383-31
3	216	8.0	41	4	US-09-065-383-28
4	215	8.0	40	4	US-09-065-383-30
5	180	6.7	35	4	US-09-065-383-29
6	111	4.1	474	3	US-08-729-416C-1
7	111	4.1	474	4	US-09-433-353-1
8	111	4.1	594	3	US-08-729-416C-7
9	111	4.1	594	4	US-09-433-353-7
10	110	4.1	829	1	US-07-670-611-2
11	110	4.1	829	1	US-08-220-674-2
12	110	4.1	829	1	US-08-445-186-2
13	110	4.1	829	1	US-08-446-549-2
14	110	4.1	829	2	US-08-446-550-2
15	103	3.8	1098	2	US-08-923-992A-8
16	101.5	3.8	2101	1	US-08-466-390-4
17	101.5	3.8	2101	1	US-08-470-950-4
18	101.5	3.8	2101	1	US-08-467-781-4
19	101.5	3.8	2101	2	US-08-483-924-4
20	101.5	3.8	2101	3	US-09-452-294-1
21	100.5	3.7	2101	1	US-08-195-487-4
22	100.5	3.7	2101	5	PCR-US93-06160-4
23	98	3.6	693	4	US-09-252-991A-24059
24	98	3.6	733	3	US-08-725-459B-21
25	97.5	3.6	1128	3	US-08-923-992A-6
26	96	3.6	253	4	US-09-328-352-8134
27	95.5	3.5	1164	3	US-08-923-992A-2

28	95.5	3.5	1713	3	US-08-600-982-24	Sequence 24, Appl
29	95.5	3.5	1713	5	PCR-US94-10261A-24	Sequence 24, Appl
30	95.5	3.5	1805	1	US-07-853-913-2	Sequence 2, Appl
31	94.5	3.5	907	3	US-08-990-140-4	Sequence 4, Appl
32	94.5	3.5	907	4	US-09-546-238-4	Sequence 4, Appl
33	94.5	3.5	940	3	US-08-810-712-7	Sequence 7, Appl
34	94.5	3.5	1579	3	US-08-755-587-184	Sequence 184, App
35	94	3.5	397	4	US-09-006-428A-2	Sequence 2, Appl
36	94	3.5	397	4	US-09-006-428A-19	Sequence 19, Appl
37	94	3.5	2391	2	US-08-446-855A-2	Sequence 2, Appl
38	94	3.5	2391	3	US-09-150-741-2	Sequence 2, Appl
39	93.5	3.5	984	1	US-08-257-073-3	Sequence 3, Appl
40	93.5	3.5	984	2	US-08-184-009-120	Sequence 120, App
41	93.5	3.5	984	2	US-08-458-356-120	Sequence 120, App
42	93.5	3.5	984	3	US-08-460-736-120	Sequence 120, App
43	93.5	3.5	984	4	US-09-535-370-120	Sequence 120, App
44	93.5	3.5	989	4	US-08-213-419B-2	Sequence 2, Appl
45	93.5	3.5	989	4	US-08-213-419B-4	Sequence 4, Appl

#### ALIGNMENTS

RESULT 1  
US-09-065-383-27  
Sequence 27, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-27

Query Match 100.0%; Score 2698; DB 4; Length 518;  
Best Local Similarity 100.0%; Pred. No. 2.6e-277;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RIRAAOQVEMLDQCSPKPTNNFDHOSCOLIIELPDEKPNHTKRSVSRELIYSL 60  
DB 1 RIRAAOQVEMLDQCSPKPTNNFDHOSCOLIIELPDEKPNHTKRSVSRELIYSL 60  
OY 61 SHOVLONLDYILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMONLAVIFDILLDSYR 120  
DB 61 SHOVLONLDYILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMONLAVIFDILLDSYR 120  
OY 121 TAREFDTSPLGKCLIKRVSGIGGANLYROSAMSFNIYFHALVCAVLTNOETITAEQYK 180  
DB 121 TAREFDTSPLGKCLIKRVSGIGGANLYROSAMSFNIYFHALVCAVLTNOETITAEQYK 180  
OY 181 VLFEEDERSTDSOQCSSEDEDIPEETAQVSPPRGKEKQWRAHMLPLSVQPSNADWVW 240  
DB 181 VLFEEDERSTDSOQCSSEDEDIPEETAQVSPPRGKEKQWRAHMLPLSVQPSNADWVW 240  
OY 241 LVKRLHKLMELCNNYIOMHLDLENCEPPIEFKGDPEFLLPSFQSSSTPSTGFGSGKE 300  
DB 241 LVKRLHKLMELCNNYIOMHLDLENCEPPIEFKGDPEFLLPSFQSSSTPSTGFGSGKE 300  
OY 301 TSPDDRSQSRHNGESLSLAKGGDILLPPSPVKEKDPBRKEWENGNKITYMAAD 360  
DB 301 TSPDDRSQSRHNGESLSLAKGGDILLPPSPVKEKDPBRKEWENGNKITYMAAD 360  
OY 361 KTISKLMTEYKRRKQOHNLSAFPEKVEYKEKGEPLGPRGSDPLLRPOHLMDOGMRHS 420  
DB 361 KTISKLMTEYKRRKQOHNLSAFPEKVEYKEKGEPLGPRGSDPLLRPOHLMDOGMRHS 420  
OY 421 FSAGPELLRODKRPRSGSGSSLSVSRDAEAOIQAMTNMVLTVLNOIQLIPDQFTALQ 480  
DB 421 FSAGPELLRODKRPRSGSGSSLSVSRDAEAOIQAMTNMVLTVLNOIQLIPDQFTALQ 480  
OY 481 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVDTIY 518  
DB 481 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVDTIY 518

RESULT 2  
US-09-065-383-31  
Sequence 31, Application US/09065383  
Patent No. 6391543

GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESS: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA

ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 49 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-31

Query Match 9.6%; Score 260; DB 4; Length 49;  
Best Local Similarity 100.0%; Pred. No. 2.9e-20;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 393 EPLPRQDPSPLLRPOHLMDOGMRHSFSAGPELLRODKRPRSGSTGS 441  
DB 1 EPLPRQDPSPLLRPOHLMDOGMRHSFSAGPELLRODKRPRSGSTGS 49

RESULT 3  
US-09-065-383-28  
Sequence 28, Application US/09065383  
Patent No. 6391543

GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESS: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383

FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 28:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 41 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-28

Query Match 8.0%; Score 216; DB 4; Length 41;  
Best Local Similarity 100.0%; Pred. No. 1e-15;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 184 EDDERSTDSQCCSEDEDIFETQVSPPRGKEROMRAR 224  
DB 1 EDDERSTDSQCCSEDEDIFETQVSPPRGKEROMRAR 41

RESULT 4  
US-09-065-383-30

Sequence 30, Application US/09065383  
Patent No. 6391343

GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-30

Query Match 8.0%; Score 215; DB 4; Length 40;  
Best Local Similarity 100.0%; Pred. No. 1.3e-15;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 332 SPKVEKDPSPKKEWENGNKITYMADKTSKLTETK 371  
DB 1 SPKVEKDPSPKKEWENGNKITYMADKTSKLTETK 40

RESULT 5  
US-09-065-383-29

Sequence 29, Application US/09065383  
Patent No. 6391343

GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 35 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-29

Query Match 6.7%; Score 180; DB 4; Length 35;  
Best Local Similarity 100.0%; Pred. No. 5.2e-12;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 283 SFOSESSTPTGSGFSGKETPSDDRSOSREHMGES 317  
DB 1 SFOSESSTPTGSGFSGKETPSDDRSOSREHMGES 35

RESULT 6  
US-08-729-416C-1  
Sequence 1, Application US/08729416C  
Patent No. 6013767

GENERAL INFORMATION:

APPLICANT: NAKAMURA, TAKESHI

TITLE OF INVENTION: NOVEL BRAIN-SPECIFIC ADAPTER MOLECULE GENE

TITLE OF INVENTION: THEREOF, AND ANTIBODY THEREO

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: PILLSBURY, MADISON & SUTRO, L.L.P.

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005-3918

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/729,416C

FILING DATE: 11-OCT-1996

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: PERRY, GLENN J.

REGISTRATION NUMBER: 28458

REFERENCE/DOCKET NUMBER: 7898/225948

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 474 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-729-416C-1

Query Match 4.1%; Score 111; DB 3; Length 474;  
Best Local Similarity 18.5%; Pred. No. 0.0086;  
Matches 90; Conservative 71; Mismatches 205; Indels 120; Gaps 19;

QY 83 PGEKTIQVE-----AKLAGFLRTI-SMONLAVIFDILLDSYRTARE 124  
DB 9 PGEDEPLRPPRGTPPHASDQVLPQGVYVYVYKLCIEVLRSMRSLDSTRTQITREAIRSV 68

QY 125 FDTSPGKCLLKK-----VSGIGGANL-YRQSAFNIYFHALVCALVLTNOETITAE 176  
DB 69 CEAVPGAKGAFKRRKPPSKMLSSITLGSNLOFAGMSISLITASLNLRTPPDSKQITANH 128

QY 177 QVKKVLEFED-----DERSTDSQOCSEDEDIEETAAQVSPRGRKEK 218  
DB 129 HMRISISFASGDDPTTDYVAVYAKDPVNRACHILLECCDLADQVIGSIGQAFELRFXOY 188

QY 219 RQMRARPLISVQPVSNADQVWLVKRLHKICMELCNNTYIOMHLDLENCEEPPIFGKDPF 278

DB 189 LQCPFKIPALH-DRMOSLDEPW-----TEEBDGSDBHYNSIPS 227  
QY 279 -----FILPFSOSESSTPTGSGFSGKETPSDDRSOSREHMGESUS-----LKAG 324

DB 228 KMPPEGFLDTRLKRPRPHADTQAFAGKEOTYYQGR-----HLDFTGEGMOOTPLRQGS 282  
QY 325 GDLLPSPVYERKDPSSRKKEMWENAGNKIYTMAADKTIKMLTEYKRRKQOHNLSAFPK 384

DB 283 SDIYSTPEGLHYA-PTGEAPTYVNT-QQIPQAWPAVSS--AESSPRDLDPMKPFED 338  
QY 385 EVAYEKKG-----EPLEGPGQDSPLLQRPQ-HLMDGOMRHSASAPPELLROD 431

DB 339 ALKNQPLGPVLSKAASYECISPVSPRAPDAKMLEELQAEWTYQGEHSRKEAEG--LLEKD 396  
QY 432 -----KRPESGSTSSLSVSDAEOIQATNNTVLYVINOIOLPQDTFALPAPVPC 487

DB 397 GDPLVYRKSTNPGSFVLTGHNGQAK-----HLLVDPGETTFT-KDVFDSI 443  
QY 488 SOLTCH 493

DB 444 SHLINH 449

RESULT 7  
US-09-433-353-1  
Sequence 1, Application US/09433353  
Patent No. 6545141

GENERAL INFORMATION:

APPLICANT: NAKAMURA, TAKESHI

TITLE OF INVENTION: NOVEL, BRAIN-SPECIFIC ADAPTER MOLECULE, GENE THEREOF,

TITLE OF INVENTION: AND ANTIBODY THEREO

FILE REFERENCE: 7898/262241

CURRENT APPLICATION NUMBER: US/09/433,353

CURRENT FILING DATE: 1999-11-04

PRIOR APPLICATION NUMBER: 08/729,416

PRIOR FILING DATE: 1996-10-11

NUMBER OF SEQ ID NOS: 24

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 1

LENGTH: 474

TYPE: PRT

ORGANISM: Homo sapiens

US-09-433-353-1

Query Match 4.1%; Score 111; DB 4; Length 474;  
Best Local Similarity 18.5%; Pred. No. 0.0086;  
Matches 90; Conservative 71; Mismatches 205; Indels 120; Gaps 19;

QY 83 PGEKTIQVE-----AKLAGFLRTI-SMONLAVIFDILLDSYRTARE 124  
DB 9 PGEDEPLRPPRGTPPHASDQVLPQGVYVYVYKLCIEVLRSMRSLDSTRTQITREAIRSV 68

QY 125 FDTSPGKCLLKK-----VSGIGGANL-YRQSAFNIYFHALVCALVLTNOETITAE 176  
DB 69 CEAVPGAKGAFKRRKPPSKMLSSITLGSNLOFAGMSISLITASLNLRTPPDSKQITANH 128

QY 177 QVKKVLEFED-----DERSTDSQOCSEDEDIEETAAQVSPRGRKEK 218  
DB 129 HMRISISFASGDDPTTDYVAVYAKDPVNRACHILLECCDLADQVIGSIGQAFELRFXOY 188

QY 219 RQMRARPLISVQPVSNADQVWLVKRLHKICMELCNNTYIOMHLDLENCEEPPIFGKDPF 278  
DB 189 LQCPFKIPALH-DRMOSLDEPW-----TEEBDGSDBHYNSIPS 227

QY 279 -----FILPFSOSESSTPTGSGFSGKETPSDDRSOSREHMGESUS-----LKAG 324  
DB 228 KMPPEGFLDTRLKRPRPHADTQAFAGKEOTYYQGR-----HLDFTGEGMOOTPLRQGS 282

QY 325 GDLLPSPVYERKDPSSRKKEMWENAGNKIYTMAADKTIKMLTEYKRRKQOHNLSAFPK 384  
DB 283 SDIYSTPEGLHYA-PTGEAPTYVNT-QQIPQAWPAVSS--AESSPRDLDPMKPFED 338





DB 459 ALKNOPGLPVLSKASVCEISIPVSPRADAKMLELQAEFTWQGMRSKREAG--LLEKD 516

QY 432 ----KRPSSGTSSLSVSRDAEAOIQAFTNMVLTVLNOIQLPDTFTALQPAVFCI 487

DB 517 GDFLVKRSSTJNGSFVLTGMHNGQAK-----HLLVDEGRTIRT-KDAVPSOI 563

QY 488 SOLTCH 493

DB 564 SHLINH 569

RESULT 10

US-07-670-611-2

Sequence 2, Application US/07670611

Patent No. 5330892

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

TITLE OF INVENTION: Humans

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/670,611

FILING DATE: 19910313

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Kagan, Sarah A.

REGISTRATION NUMBER: 32,141

REFERENCE/DOCKET NUMBER: 1107,33981

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-508-9100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 829 amino acids

TYPE: AMINO ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

US-07-670-611-2

Query Match 4.1%; Score 110; DB 1; Length 829;

Best Local Similarity 18.4%; Pred. No. 0.028;

Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PSPEEETI---QVPEAKLAGFLRTYSMOMLAVIFDILLDSYTAAREPDTSPGLKILK 136

DB 307 PSTGLSTSSSSNDIPAKIAERVK-----LSKTRSESSSDRPVIGS 349

QY 137 KVSIGGANLYROSANSF-----NIYFHALVCAVLNQEFTITAEQVKKVFEED 185

DB 350 EISSIGVSSVAEHLASLDCCSIQEIFOTLISHG-----SAISSEKIRE--FEV 398

QY 186 DERSTDSQOCCSDEDDIFETTAQVSPRGKEKROMRAPMLLSVQPVSNADWVLVRL 245

DB 399 ETERLNRIEHLKSONDLTLTITL-----ECKSNMRSMVLGVKYESNATATRLALQY 451

QY 246 HKLCMELCNVYIOMHLDLNCMEBPPIKDPFFILPSFOSESSPTSGFGSKETPSE- 304

DB 432 SBOCIEAYELL-----ALAESDGLILGFPRAAGVSSFGDDSGDENITQM 498

QY 305 ----DRSQSRHMGESLSLACG--GDLPPSPKVEKDPSSRKKEMENAGNKIYTMA 358

DB 499 LKRAHDCRKTAEANAKALIMKLDGSCGAFNAVAGCSYOP-----WELSSNHSHT 549

QY 359 ADKTSKMTETKRRKQOHNLSAFPEKVEKKG-----EPLG-----PRQD 401

DB 550 TSSTASCDTEPTEDQ-RKNDYIOQLKNDRAAVKLTMLESTIHDPISYDVKPRDS 608

QY 402 SPL-LORP---OHLMDQOMRHSFSAGPELLRODKRPPSGSTGSSLSVSRDAEAOIQA 457

DB 609 ORLDENAVLMQELMAKEMAEKLAQYLLEKEK-----ALEKLSTFREAOBAY 660

QY 458 TMMVLTVLNOIQLPDTFTALQ-----PAVPCIS-----QLTGHVTDIR 498

DB 661 LVHIEHLKSEVEQEKQMRSLSTSSGSKDKPKECADAAAPALSLAELRTTCSENLA 720

QY 499 VR--QAVREWLGRVGRVYDII 517

DB 721 AEFNATIRREKKLARVOELV 741

RESULT 11

US-08-220-674-2

Sequence 2, Application US/08220674

Patent No. 5571905

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

TITLE OF INVENTION: Humans

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/220,674

FILING DATE: 31-MAR-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/670,611

FILING DATE: 13-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Kagan, Sarah A.

REGISTRATION NUMBER: 32,141

REFERENCE/DOCKET NUMBER: 1107,33981

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-508-9100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 829 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens  
US-08-220-674-2

Query Match 4.1%; Score 110; DB 1; Length 829;  
Best Local Similarity 18.4%; Pred. No. 0.028;  
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

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OY 81 PPSGEKTI---OVPEAKLAGFLRYISOMNLAVIFDILLSYRTAREFDTSPIGKCLK 136
   |||||
DB 307 PSTGELSTSSSSNDPIAKIERVK-----LSKTRSESSSDRPVIGS 349
OY 137 KVSIGGAGANLYROSAMSF-----NIYFHALCAVLNQTETTAQVKKVLPED 185
   |||||
DB 350 EISSIGVSSVAEHLAHLSDCCSNIOETFOFLYSHG-----SAISEKIRK--FEV 398
OY 186 DERSTDSQOCCSEDEDIFEETAQVSPRGKEKROWRAMPLLSVQPVSNADWWLVKRL 245
   |||||
DB 399 ETERLNSRIEHLKSONDLITLLE-----ECKSNARMMLVGYKESNATRLALQY 451
OY 246 HKLCMELCNNTYOMHLDLNCMEBPPIFKGDPFLPFSQSESSPTSPGSGKTPSE- 304
   |||||
DB 452 SEOCIEAYELL-----ALAESQSLILGQFRAAGVSSPGDSDGDNITOM 498
OY 305 ---DQRSQREHNGESLSLKAG--GDLLPSPKVEKKDPSRKKEWMENAGNKITYMA 358
   |||||
DB 499 LKRAHDKRKTAENAKALMLKLDSCGGAFAVAGSVOP-----WESLSNSHTST 549
OY 359 ADKTIKLMTEYKKRKQOHNLSAPPEKVEKKG-----EPLG---PRGOD 401
   |||||
DB 550 TSSSTASCDTETFTKDEQ--RLKDYIOQLKNDRAAVKLTMLELESIHIDPLSYDVKPRGDS 608
OY 402 SPL-LQRP---OHLMDGOMRHSFSAGPELLRODKRPRSGSTGSLSVYDAEAOIQAM 457
   |||||
DB 609 QRLDENAVLMOELMAKEMAEKAOYLLEKEK-----ALEKLSTREAQEOAY 660
OY 458 TNMVLTVLNOIOLPDQTFALQ-----PAVEPCIS---QUTCHVTDIR 498
   |||||
DB 661 LVHIEHLKSEVEDEQORMRSLSTSSGSKDPGKECADAASPALSLAELRTGSENELA 720
OY 499 VR--QAVREMLGRVGRVYDII 517
   |||||
DB 721 AETNAIRREKKLRAVOELV 741
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## RESULT 12

US-08-445-186-2

Sequence 2, Application US/08445186

Patent No. 5576422

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

TITLE OF INVENTION: Humans

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

APPLICATION NUMBER: US/08-445,186

FILING DATE: 19-MAY-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/220, 674  
FILING DATE: 31-MAR-1994  
APPLICATION NUMBER: US 07/670, 611  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Kagan, Sarah A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 1107.33981  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 829 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
US-08-445-186-2

Query Match 4.1%; Score 110; DB 1; Length 829;  
Best Local Similarity 18.4%; Pred. No. 0.028;  
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

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OY 81 PPSGEKTI---OVPEAKLAGFLRYISOMNLAVIFDILLSYRTAREFDTSPIGKCLK 136
   |||||
DB 307 PSTGELSTSSSSNDPIAKIERVK-----LSKTRSESSSDRPVIGS 349
OY 137 KVSIGGAGANLYROSAMSF-----NIYFHALCAVLNQTETTAQVKKVLPED 185
   |||||
DB 350 EISSIGVSSVAEHLAHLSDCCSNIOETFOFLYSHG-----SAISEKIRK--FEV 398
OY 186 DERSTDSQOCCSEDEDIFEETAQVSPRGKEKROWRAMPLLSVQPVSNADWWLVKRL 245
   |||||
DB 399 ETERLNSRIEHLKSONDLITLLE-----ECKSNARMMLVGYKESNATRLALQY 451
OY 246 HKLCMELCNNTYOMHLDLNCMEBPPIFKGDPFLPFSQSESSPTSPGSGKTPSE- 304
   |||||
DB 452 SEOCIEAYELL-----ALAESQSLILGQFRAAGVSSPGDSDGDNITOM 498
OY 305 ---DQRSQREHNGESLSLKAG--GDLLPSPKVEKKDPSRKKEWMENAGNKITYMA 358
   |||||
DB 499 LKRAHDKRKTAENAKALMLKLDSCGGAFAVAGSVOP-----WESLSNSHTST 549
OY 359 ADKTIKLMTEYKKRKQOHNLSAPPEKVEKKG-----EPLG---PRGOD 401
   |||||
DB 550 TSSSTASCDTETFTKDEQ--RLKDYIOQLKNDRAAVKLTMLELESIHIDPLSYDVKPRGDS 608
OY 402 SPL-LQRP---OHLMDGOMRHSFSAGPELLRODKRPRSGSTGSLSVYDAEAOIQAM 457
   |||||
DB 609 QRLDENAVLMOELMAKEMAEKAOYLLEKEK-----ALEKLSTREAQEOAY 660
OY 458 TNMVLTVLNOIOLPDQTFALQ-----PAVEPCIS---QUTCHVTDIR 498
   |||||
DB 661 LVHIEHLKSEVEDEQORMRSLSTSSGSKDPGKECADAASPALSLAELRTGSENELA 720
OY 499 VR--QAVREMLGRVGRVYDII 517
   |||||
DB 721 AETNAIRREKKLRAVOELV 741
   |||||
```

## RESULT 13

US-08-446-549-2

Sequence 2, Application US/08446549

Patent No. 5693536

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of  
 TITLE OF INVENTION: Humans  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Banner, Birch et al.  
 STREET: 1001 G Street  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: U.S.A.  
 ZIP: 20001-4597  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/446,549  
 FILING DATE: 19-MAY-1995  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/670,611  
 FILING DATE: 13-MAR-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Kagan, Sarah A.  
 REGISTRATION NUMBER: 32,141  
 REFERENCE/DOCKET NUMBER: 1107.33981  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-508-9100  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 829 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: YES  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 US-08-446-549-2

Query Match 4.1% Score 110; DB 1; Length 829;  
 Best Local Similarity 18.4%; Pred. No. 0.028;  
 Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;  
 QY 81 PPSPEEKT-----VPEAKLAGFLRYISMOMLAVIFDLDLSDYRTAREFTSPGLKCLK 136  
 DB 307 PSTGELSTSSSSNDIPAKIAERYK-----LSKTSSESSSDRPVLGS 349  
 QY 137 KVSIGIGANILYROSANSF-----NIYFHALVCALVITNOETTTAEQVKVLFED 185  
 DB 350 EISSIGVSSVAEHLASLDSCSNIOEIFQTLVSHG-----SAISESKIRE--FEV 398  
 QY 186 DERSTDSSQCCSDEDEIFETTAQVSPPRGKEKROWBARPPLSVQVSNADWVLKRL 245  
 DB 399 ETERLNRIEHLKQNDLITLLE-----ECKSNERKSMVLGKESNATRLRLQY 451  
 QY 246 HKLCOMELCNNTYOMHDLNCEMEPPIFKGDPPFLPSFOSESTPSTGSGKPTSE- 304  
 DB 452 SEQIEAYELL-----ALAESQSLITLQFRAVAGSSPGDGSDENTGM 498  
 QY 305 -----DERSQREHNGESLSLKAG--GDLLPSPKYEKKDPSKKEWENAGKITTTMA 358  
 DB 499 LKRAHDRKTAENAKALKLKLKLDSCGAPAVAGCSVQP-----WESLSNSHTST 549  
 QY 359 ADKTSKLTMEYKRRQOHNLNAPPKREVYKKG-----EPLG-----PRGOD 401  
 DB 550 TTSSTASSCDTEFTKEDEQ-RLKDYIQQLKNDRAAVKLTMLLESIHIDPLSYDVKKPRGDS 608  
 QY 402 SPL-TGRP-----OHLMDGQMRHSFAGPELLRODKRRPSGTSGLSVSNADAOIQAW 457  
 DB 609 QRLDLEAVLMQELMAKKEEMAEIKAKDYLLEKKEK-----ALBLKLSSTRADQDAY 660

QY 458 TNNVLTVLNQLIDQTFPALQ-----PAVFPCIS-----QLTCHVTDIR 498  
 DB 661 LVHIEHLKSEVEEQEQRMSLSSTSSGSKDKPKCECADASPALSLAELRTTCSENELA 720  
 QY 499 VR--QAVREMLGRGRGYDIT 517  
 DB 721 AEFTHAIRREKKLRAVOELV 741

RESULT 14  
 US-08-446-550-2  
 Sequence 2, Application US/08446550  
 Patent No. 5830676  
 GENERAL INFORMATION:  
 APPLICANT: Vogelstein, Bert  
 APPLICANT: Kinzler, Kenneth W.  
 APPLICANT: White, Raymond  
 APPLICANT: Nakamura, Yusuke  
 TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Banner, Birch et al.  
 STREET: 1001 G Street  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: U.S.A.  
 ZIP: 20001-4597  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/446,550  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/670,611  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Kagan, Sarah A.  
 REGISTRATION NUMBER: 32,141  
 REFERENCE/DOCKET NUMBER: 1107.33981  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-508-9100  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 829 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: YES  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 US-08-446-550-2  
 Query Match 4.1% Score 110; DB 2; Length 829;  
 Best Local Similarity 18.4%; Pred. No. 0.028;  
 Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;  
 QY 81 PPSPEEKT-----VPEAKLAGFLRYISMOMLAVIFDLDLSDYRTAREFTSPGLKCLK 136  
 DB 307 PSTGELSTSSSSNDIPAKIAERYK-----LSKTSSESSSDRPVLGS 349  
 QY 137 KVSIGIGANILYROSANSF-----NIYFHALVCALVITNOETTTAEQVKVLFED 185  
 DB 350 EISSIGVSSVAEHLASLDSCSNIOEIFQTLVSHG-----SAISESKIRE--FEV 398  
 QY 186 DERSTDSSQCCSDEDEIFETTAQVSPPRGKEKROWBARPPLSVQVSNADWVLKRL 245

Db 399 ETERLNSRIEHLKSONDLITITLE-----ECKSNAERMSMLVCKYESNATALRLALQY 451  
QY 246 HRLCELCNNYIOMHLENCMEEPPIFKGDPFILLPSFOSSESTPGSGKETPSE- 304  
Db 452 SFGCIEAVYELL-----ALASBOSLILIGFRAAGVSSPDOSGDEWITOM 498  
QY 305 ---DDRSGSRHEMGESLSLKAGG--GDILLPPSPVEKKDPSRKKEWENAGNKIYTMA 358  
Db 499 LKRAHDCRKTAEANAKALLMKLDGSCGAFVAGCVGP-----WESLSNSHTST 549  
QY 359 AKRTSKLMEYKRRQOHNLSAFREYVVEKKG-----EPLG---PRGCD 401  
Db 550 TSSSTASCDTEFTKDEQ--RLKDYIOQLNDRAAVKTMLLESHIHIDPLSYDVKPRGDS 608  
QY 402 SPL-LORP---OHLMDQGMRSFSAGPELLRODKPRSGSTGSSLSVSRDAEOIOAM 457  
Db 609 QHLDLENVLMQELMAKEMAEKQLYLLEK-----ALHLKLTSTREAOEQAY 660  
QY 458 TMMVLTVLNOIOLPDQFTALQ-----PAVEPCIS---QLTCHVTDIR 498  
Db 661 LVHIEHLKSEVEEQKQMRSLSSSTSSGSKDKPKGECADAPALSLALRTTCSNELA 720  
QY 499 VR--QAVREMLGRVGRVDTI 517  
Db 721 AEFTNAIRREKRLKARVDELV 741

RESULT 15  
US-08-923-992A-8  
Sequence 8, Application US/08923992A  
Patent No. 6280738  
GENERAL INFORMATION:  
APPLICANT: Blake, Joseph Y.  
TITLE OF INVENTION: No. 6280738-1ga Fc Binding Forms of the Group B  
NUMBER OF INVENTIONS: Streptococcal Beta Antigens  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
STREET: 1100 New York Avenue, N.W., Suite 600  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/923,992A  
FILING DATE: 05-SEP-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/024,707  
FILING DATE: 06-SEP-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Esmond, Robert W.  
REGISTRATION NUMBER: 32,893  
REFERENCE/DOCKET NUMBER: 1438.0140001/RWE  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2540  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1098 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-923-992A-8

Query Match 3.8%; Score 103; DB 3; Length 1098;  
Best Local Similarity 23.7%; Pred. No. 0.25;

Matches 103; Conservative 66; Mismatches 177; Indels 88; Gaps 22;  
QY 38 PDEKPGHKKSVSPREIYVLSLSHOVLONLYDILFEFVKSPGSEKKTIOVPAKLA 97  
Db 199 PDKKEDAEVK---VREELGKLFSS---TRAGIDOEIOHVAKETSSSENTQVDE---- 247  
QY 98 GLRLYI-SMQLNAVIFDILLDSYRFAREFDTSPGLKCL-----LKKVSGIGAANLYROS 151  
Db 248 ---HYANSIQNLAKSLLELDK-ATTNEGATQVKNQFLENACKIKIQLIKETNVKLK 303  
QY 152 AMSFNIFYHALVCALVTNOETIYAEQVKVLEEDERSYD---SSQCCSDEDEIFEET 207  
Db 304 AMSESL-----EQVERELHNSEANLEDEVAKSKETIVREYEGKLNOS 345  
QY 208 AQVSPRGKEKQWRARMLLSV-----QVSNADQVNLVYKRLKICMELCNNYIOMHD 262  
Db 346 KNL--PELKOLEE-EAHSKLVKOVEDFRKKFTSEGVTKRRLKRLAANENN--QOKIE 400  
QY 263 LENCMEEPIFKGDPFILLPSFOSSESTPGSGSG---KETPSEDDR-----SOSREH 313  
Db 401 LVVSPENITIVYEGEDVKTFTYAKSDSKT--TIDFSDLTKYNPVSDBRISTNYKTITDWH 458  
QY 314 MGESLSLKAGGDDLPLPSPVYVEKKDPSRKKEWENAGNKIYTMAADKTIKLMTEYKRR 373  
Db 459 KIAETIRK---NLKLNESQVTYTLKAK-----DDSGNVV-----EKTFT--ITVOKKE 500  
QY 374 KOHNLSAFPEKVEYKKEGPEPLGRGDSPLQRPQHLMD--QGMNRHSFSAGPELLROD 431  
Db 501 EKQVPEKTPROKDSKTEEK-VPOPKSNDKNOL---DELIRKSAOOLEKLEKAIKELMEOP 556  
QY 432 KRPRSGSTGSSLSV 445  
Db 557 EIPSNPEYGIQKSI 570

Search completed: July 25, 2003, 17:08:14  
Job time : 48.2635 secs

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GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:43 ; Search time 83.4261 Seconds

(without alignments)  
737.390 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698  
Sequence: 1 RIRMAQQVFLDTRQCSPTK.....VRAVREYLGVRVYDIIV 518

## Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications\_AA:\*

1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*

2: /cgn2\_6/ptodata/2/pubpaa/PCRT\_NEW\_PUB.pep:\*

3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*

4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*

5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6/ptodata/2/pubpaa/PCRTUS\_PUBCOMB.pep:\*

7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*

8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*

9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep:\*

10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep:\*

11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep:\*

12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*

13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep:\*

14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*

15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*

16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*

17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*

18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110	4.1	828	US-08-681-219-28	Sequence 28, Appl
2	108.5	4.0	2783	US-09-816-669A-14	Sequence 14, Appl
3	102.5	3.8	453	US-10-106-698-5604	Sequence 5604, Ap
4	100.5	3.7	1294	US-09-836-499-2	Sequence 2, Appl
5	100.5	3.7	1294	US-10-162-435-2	Sequence 2, Appl
6	100.5	3.7	1309	US-09-836-499-5	Sequence 5, Appl
7	100.5	3.7	1309	US-10-162-435-5	Sequence 5, Appl
8	100	3.7	557	US-10-106-698-5295	Sequence 5295, Ap
9	98	3.6	411	US-09-788-600-5	Sequence 5, Appl
10	98	3.6	446	US-09-738-626-4700	Sequence 4700, Ap
11	98	3.6	1332	US-09-987-091A-4	Sequence 4, Appl
12	97.5	3.6	669	US-09-823-187-88	Sequence 88, Appl
13	96.5	3.6	759	US-09-764-864-823	Sequence 823, App
14	96	3.6	555	US-09-764-864-1161	Sequence 1161, Ap
15	96	3.6	555	US-09-764-864-1574	Sequence 1574, Ap

16 95.5 3.5 693 15 US-10-151-569-2  
17 95.5 3.5 1713 15 US-10-171-311-113  
18 95 3.5 678 11 US-09-823-187-87  
19 95 3.5 1395 15 US-10-153-668-468  
20 94.5 3.5 465 15 US-10-103-313-357  
21 94.5 3.5 504 10 US-09-801-368-208  
22 94.5 3.5 601 15 US-10-156-761-14518  
23 94.5 3.5 600 10 US-09-764-864-1282  
24 94.5 3.5 907 9 US-09-934-043-4  
25 94.5 3.5 907 15 US-10-200-154-4  
26 94.5 3.5 940 15 US-10-102-806-678  
27 94.5 3.5 1711 10 US-09-771-161A-219  
28 94.5 3.5 1711 10 US-09-771-161A-220  
29 94 3.5 258 9 US-09-815-242-5680  
30 94 3.5 300 9 US-09-815-242-12173  
31 93.5 3.5 304 10 US-09-987-107-7  
32 93.5 3.5 323 10 US-09-987-107-58  
33 93.5 3.5 519 11 US-09-934-455-164  
34 93 3.4 266 9 US-09-864-761-37015  
35 93 3.4 464 10 US-09-902-941-1934  
36 93 3.4 464 15 US-10-017-754-1934  
37 93 3.4 615 9 US-09-925-301-1094  
38 93 3.4 693 14 US-10-029-217A-4  
39 93 3.4 705 15 US-10-154-386-2  
40 93 3.4 1038 10 US-09-908-500A-2  
41 93 3.4 4019 10 US-09-738-973-425  
42 93 3.4 4019 10 US-09-854-133-425  
43 93 3.4 4019 15 US-10-144-649A-425  
44 92.5 3.4 393 9 US-09-745-763-19  
45 92.5 3.4 707 16 US-10-225-486-57

## ALIGNMENTS

RESULT 1  
US-08-681-219-28  
Sequence 28, Application US/08681219  
Publication No. US20020058607A1

GENERAL INFORMATION:  
APPLICANT: Takaaki Sato and Junn Yanagisawa  
TITLE OF INVENTION: COMPOUNDS THAT INHIBIT THE INTERACTION BETWEEN  
TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF  
TITLE OF INVENTION: (PDZ/DHR) DOMAIN AND USES THEREOF  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESS: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/681,219  
FILING DATE: 22-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P  
REGISTRATION NUMBER: 28, 678  
REFERENCE/DOCKET NUMBER: 0575/48962/JPM/JRM  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525

INFORMATION FOR SEQ ID NO: 28:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 828 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-681-219-28

Query Match 4.18; Score 110; DB 8; Length 828;

Best Local Similarity 18.44; Pred. No. 0.41; Mismatches 198; Indels 130; Gaps 19;

Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PSPEEKTI---OVPEAKGLFRTYSMNLAVIFDLDLSYRTAREPDPGLK 136  
DB 306 PSTGELSTSSNDIPAKIAERK-----LSKTSESSSSRPVLGS 348  
QY 137 KVGIGGANLYROSAMSF-----NIYFHALCAVLNQTITAEOVKVLFED 185  
DB 349 EISSIGVSSVAEHLMSLDSCSNIOEIFOTLYSHG-----SAISSEKIRE--FEV 397  
QY 186 DERSTDSQCCSSDEDFEETAOVSPRCKEKROMARMPLLSVQPVSNADWMLVKRL 245  
DB 398 ETERLNSRIEHLKSQNDLITLLE-----ECKSNARMSMLGKYESNATLRLALOY 450  
QY 246 HKLCMELCNMYIOWHLDLNCMEPPFKGDPFELPSPQSSSTPSTGSGFKETPSE- 304  
DB 451 SEQIEAYELL-----ALASEQSILLOQFRAAGVSSPDQSGDENTQM 497  
QY 305 ----DPRSQRHMGESLSLKAG--GDLLPSPKVEKKDPKRRKEMENAGKITTYMA 358  
DB 498 LKRAHDCRKTAEENAKALLMKLDGSCGAFVAVAGCSYQP-----WESLSNSHTST 548  
QY 359 ADKTSKLTMEYKRRKQOHNLSAPKREKVEKKG-----EPG---PRGOD 401  
DB 549 TSTTASSCDTEFTKEDFO-RKQDIOQLKNDRAAVKLTMLELSEIHIDPLSYDKPKGDS 607  
QY 402 SPL-LQRP---OHLMDGOMRHSFAGPELLRODKRRSGSTGSSLSVSRDAEQIOAW 457  
DB 608 QRLDLENAVLMQELMAKKEAELEKQLYLLEKKEK-----ALBLKSTRAGQAY 659  
QY 458 TNNVLYLNOIQLIPDOTFTALQ-----PAVEPCIS---QLTCHVTDIR 498  
DB 660 LVHLEHKSEVEDEKQRMRSLSSTSSGKDKPGKECADAAPALSLAEURTCSNELA 719  
QY 499 VR--QAVREMLGRVGRVYDII 517  
DB 720 AEFNATREKKIKARQOELY 740

## RESULT 2

US-09-816-669A-14

Sequence 14, Application US/09816669A

Patent No. US20020137019A1

GENERAL INFORMATION:

APPLICANT: GARABEDIAN, Michael

APPLICANT: TANEJA, Samir

APPLICANT: HITTELMAN, Adam

APPLICANT: MARKUS, Steven

TITLE OF INVENTION: METHOD FOR SCREENING TRANSCRIPTIONAL CORRELATORY PROMOTING OF

TITLE OF INVENTION: TRANSCRIPTION FACTORS, AND ANDROGEN RECEPTOR TRANSCRIPTIONAL CO

FILE REFERENCE: GARABEDIAN-1.1A

CURRENT APPLICATION NUMBER: US/09/816,669A

PRIOR FILING DATE: 2001-03-26

PRIOR APPLICATION NUMBER: 60/225,618

PRIOR FILING DATE: 2000-08-15

PRIOR APPLICATION NUMBER: 60/191,768

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 14

LENGTH: 2783

TYPE: PRT

ORGANISM: Human

US-09-816-669A-14

Query Match 4.08; Score 108.5; DB 10; Length 2783;

Best Local Similarity 20.64; Pred. No. 3.7; Mismatches 73; Conservative 45; Mismatches 91; Indels 145; Gaps 18;

QY 132 KCLLKRVSGIGGANLYROSAMSFNIYFHALCAVLN-----NOETIT 174  
DB 158 KHLQHESSVEGE-----SCYHCVLNYSSTKAKNLQHYRSKHKHRSLSLRK 206  
QY 175 AEQVKVLFEDDE-----RSTD-----SSQ 194  
DB 207 LQRLQGLPDEDDLOQIFITIRCPSTDPBEALIEDVGPSETADPEELAKDQEGASS 266  
QY 195 QCSSEDEDFEETAOVSPRCKEKROMARMPLLSVQ-----VSN 236  
DB 267 QAEKELDSPATSKRISFPSSSS-----PLSKRPKTAEEIKEDOMYOCPCYSNA 319  
QY 237 DWMLVKRLH-----KLCMELCN--YIOWHLD-----LENCMEPPFK 274  
DB 320 D---VNRLLVHANTQHSVQPMRLRCPLODMLNKHILQHLHLHSVAPDCEKILMY 375  
QY 275 GDFEFLPSPQ--SESTPSTGSGFKETPSEDDRSQSRHMGESLSLKAG--GDLLLP 330  
DB 376 TTPEMVWSSMFLPAAPVDRDGSNLEACK--QPEFSEDGKNILPSASTEGSD--LK 431  
QY 331 PSPEKVEKKDPSRKE-----WMENAGKITTYMAADTISKLTMEYK----KRO 375  
DB 432 PSP-----ADGSVREDSGFLCMKGCQNYE-----RTSALQTHFNEVHAKRPO 476

## RESULT 3

US-10-106-698-5604

Sequence 5604, Application US/10106698

Publication No. US20030109690A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypept

FILE REFERENCE: PA005P1

CURRENT APPLICATION NUMBER: US/10/106,698

PRIOR FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: PCT/US00/26524

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US 60/157,137

PRIOR FILING DATE: 1999-09-29

PRIOR APPLICATION NUMBER: US 60/163,280

PRIOR FILING DATE: 1999-11-03

NUMBER OF SEQ ID NOS: 8564

SOFTWARE: PatentIn Ver. 3.0

SEQ ID NO 5604

LENGTH: 453

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: MISC\_FEATURE

LOCATION: (327)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-5604

Query Match 3.88; Score 102.5; DB 15; Length 453;

Best Local Similarity 19.84; Pred. No. 0.79; Mismatches 78; Conservative 43; Mismatches 154; Indels 119; Gaps 15;

QY 82 SPPEKTIQVPEAKGLFRTYSMNLAVIFDLDLSYRTAREPDPGLKCLLKVSQI 141  
DB 6 SPGRIMAIIPSLSEEDLSKYSQNLN-----KSLGLRALRATKLL 48  
QY 142 GGAANYROSAMSFNIYFHALCAVLNQTITAEOVKVLFEDDERSTDSQCCSEDE 201  
DB 49 KALKGYIKHAKGN-----ENQESQTSASSCDETEI 81  
QY 202 DFEETAQVSPRCKEKROMARMPLLSVQ-----VSNADWMLVKRLHLCME 251  
DB 82 QISNOEAEARQPLGHVYKT--RRCKTVRVDPDQSNHSEIKISNP-----TE 127  
QY 252 LCNNTYIOWHLDLNCMEPPFKGDPFELPSPQSSSTPSTGSGFKETPSEDDRSQSR 311



```
Db 128 EQNHKQESODLRATKVP-----SP-----PDEHGEAENAVSSGNRDSKVPSEKKSLEYT 178
Qy 312 EHMGSLSLAKAGGOLLPPSPKVEKDDSRKKEKEMENANKITYMADKITSKLMTEK 371
Db 179 DE-----SSKPGKNKRTAITTPNFKLHEAFKEM-----ESIDQYIERKK 219
Qy 372 KRKQOHNLSAFPEKVEKVEKQ-----EPLGPRGQ-----DSPLLQRPQHLMDQGRHSFSAGP 425
Db 220 KHFEHNHSMNLKQOPINKGCVTRTPVPRGRLSVASTPSQR-----RSQGR-----SCGP 270
Qy 426 E-----LLRQDKRP-----RSGSTGSSLVSVDRAE 451
Db 271 ASOSTLGLKGLSKRSASIAKTGVNFSATKQNE 304
```

## RESULT 4

```
US-09-836-499-2
; Sequence 2, Application US/09836499
; Publication No. US20030027316A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; TITLE OF INVENTION: 16051A AND 16051B, NOVEL HUMAN PDZ
; FILE REFERENCE: 10448-043001
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/197,507
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1294
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-836-499-2
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Query Match 3.7%; Score 100.5; DB 11; Length 1294;

Best Local Similarity 21.8%; Pred. No. 6.2; Mismatches 194; Indels 139; Gaps 24;

Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

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Qy 10 EMLDQCSPKTPNNFDHASCQILIEP-----PDEKPNCHTKKSVSFREIVY----- 57
Db 839 FNNAVRMIONSPDNI-----ELIISQSKGVGNNPDEKNGTANSVGSSTDLISFGYOG 892
Qy 58 SLSSH-----QVLLQNLVYDILLIEFVKG-----PSPEEETIOYPEAK 95
Db 893 SLSSHODQDRNTEELDMAGVQSLVPRLNHQLSFLPLKAGSSCPSPPEISAGEIYFVE 952
Qy 96 LA-----GFLRY-----ISMQNLAVIFDLDSYRTAREFDSPGKCLKRVSGIGMA 145
Db 953 LKKEGDTLGFSTGGINISVPIGVKSIYVCGPRAKAGQILQGDRL--QVDG----- 1006
Qy 146 NLVROSANSFNITFHALVCAVLTLNQTITA-----DQKKVLFEDDERSTDSQSCSEDE 201
Db 1007 -----ILCG-LTHKQAVQCLKGPQVAVLVE--RRVPRSTQCCPSAD 1047
Qy 202 DIFETAOVSPPRGKEKKRWARMPLLSVOP-----VSNADWMLVRLHLCMELCNN 255
Db 1048 SMGDBRTAVS-----LVTFALPGRPSSCVSVTGPFEVYALKRNANGIGFS 1092
Qy 256 YIOMHLLENCEMEPPIFKGDFFILPSFQSESTPSTGSGKETPSSDDDSQSEHMG 315
Db 1093 FYQM--EKESCSH-----LKSDLVRIKRLFPQGPABENGAIAAGDIIILAVNGSTEGILFQ 1146
Qy 316 ESLSLKAGGD-----LLPSPKVEKDDSRKKEKEM--ENAGNKITYMA--ADKITSKLM 367
Db 1147 EYVHLHLRGAPQEVTLTLCKRPPGAL--PEMQEQMTPELSDKETRTATCTDSCSPIL 1203
Qy 368 TEYKRRKQOHNLSAFPEKVEKVEKPRGQDSEPLQPHLMDQGR----- 418
Db 1204 DQEDSWRD-----SASP-----DAGEGLLRPESS--OKAIRQWQGNRRPRPMASSILT 1250
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Qy 419 HSFSAPELLRQDKRPRSGSTGSSLSVSR 448
Db 1251 HSPESHPLCKLHQERDESTLATSLKQVYR 1280
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## RESULT 5

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US-10-162-435-2
; Sequence 2, Application US/10162435
; Publication No. US20030096305A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Meyers, Rachel
; APPLICANT: Glucksman, Maria Alexandra
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Bandaru, Rajasekhar
```

```
; TITLE OF INVENTION: NOVEL HUMAN MEMBRANE-ASSOCIATED PROTEIN AND
; FILE REFERENCE: 10448-189001
; CURRENT FILING DATE: 2002-06-04
```

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; PRIOR APPLICATION NUMBER: US 09/836,499
; PRIOR FILING DATE: 2001-04-17
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; PRIOR APPLICATION NUMBER: PCT/US01/12420
; PRIOR FILING DATE: 2001-04-17
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; PRIOR APPLICATION NUMBER: US 60/197,507
; PRIOR FILING DATE: 2000-04-18
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; PRIOR APPLICATION NUMBER: US 09/891,008
; PRIOR FILING DATE: 2001-06-25
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; PRIOR APPLICATION NUMBER: PCT/US01/19963
; PRIOR FILING DATE: 2001-06-25
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; PRIOR APPLICATION NUMBER: US 60/214,220
; PRIOR FILING DATE: 2000-06-23
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; PRIOR APPLICATION NUMBER: US 09/860,868
; PRIOR FILING DATE: 2001-05-18
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; PRIOR APPLICATION NUMBER: PCT/US01/16013
; PRIOR FILING DATE: 2001-05-18
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; PRIOR APPLICATION NUMBER: US 60/205,674
; PRIOR FILING DATE: 2000-05-19
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; PRIOR APPLICATION NUMBER: US 09/886,429
; PRIOR FILING DATE: 2001-06-21
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; PRIOR APPLICATION NUMBER: PCT/US01/20055
; PRIOR FILING DATE: 2001-06-21
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; PRIOR APPLICATION NUMBER: US 60/213,963
; PRIOR FILING DATE: 2000-06-23
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; PRIOR APPLICATION NUMBER: US 10/041,406
; PRIOR FILING DATE: 2002-01-08
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; PRIOR APPLICATION NUMBER: PCT/US02/00275
; PRIOR FILING DATE: 2002-01-08
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; PRIOR APPLICATION NUMBER: US 60/260,286
; PRIOR FILING DATE: 2001-01-08
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; PRIOR APPLICATION NUMBER: US 09/934,268
; PRIOR FILING DATE: 2001-08-21
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; PRIOR APPLICATION NUMBER: PCT/US01/41811
; PRIOR FILING DATE: 2001-08-21
```

```
; PRIOR APPLICATION NUMBER: US 60/226,612
; PRIOR FILING DATE: 2000-08-21
```

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; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1294
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-162-435-2
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Query Match 3.7%; Score 100.5; DB 15; Length 1294;

Best Local Similarity 21.8%; Pred. No. 6.2; Mismatches 194; Indels 139; Gaps 24;

Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

```
Qy 10 EMLDQCSPKTPNNFDHASCQILIEP-----PDEKPNCHTKKSVSFREIVY----- 57
Db 839 FNNAVRMIONSPDNI-----ELIISQSKGVGNNPDEKNGTANSVGSSTDLISFGYOG 892
```

QY 58 SLASH-----QVLLQNLVLDLLEFVKG-----PSPGEEKTIQVPEAK 95  
 Db 893 SILSHTDODRNEFELDMAGVSLVPRLRHQLSFLPLKAGAGSSCPSPPEISAGEIYFE 952  
 QY 96 LA---GFLRY-----ISMONTAVIFDLDLSDRTAREPPTSGLCKLKKVSGIGAA 145  
 Db 953 LKVEDGTLGFSVTGINTSVYGGIYKSVIPGSPAKKEGIIQGDRL--QVNGV---- 1006  
 QY 146 NLVQSAMSFNIFYHALVCAVLINQETITA---EQYKVLFEDEDESTSSQCSSEDE 201  
 Db 1007 -----ILCG-LTHKQAVQCLKPGQVAVLE--RRVPNSTQCCPSAND 1047  
 QY 202 DIFETQVSPPRCKEKRRQWRAPPLSVOP-----VSNADWVWLKRLHKLKLMELCNN 255  
 Db 1048 SMGERTAVS-----LVTALPGRPSVSVYDGGKFEVKLKKNANGLGFS 1092  
 QY 256 YIOMHLDLNCMEPPFLFKDPPFILPSFQSESTPTGSGSKETPSEDDRQSRHMG 315  
 Db 1093 FVOM--EKESCSH---LKSIDLVRIKRIFPGQPAEENGALMAGDIILAVNGRSTEGLIQ 1146  
 QY 316 ESLSKAGGD---LLPSPKVEKKDPSRKKEMW--ENAGNKITYMA--ADKTSKLM 367  
 Db 1147 EVLHLNGAPQEVTLICRPPGAL---PEMEQWQTPPELSADKEFTRACTDCTSPIL 1203  
 QY 368 TEYKRRQOHNLSAPKEVKEKGEPLGPGODSPILQRPQHLMDOGMK----- 418  
 Db 1204 DQEDSMRD---SASP-----DAGEGLGRPESS---QKAIREAQWQNRERPMWASSLT 1250  
 QY 419 HSFSAPELLRQDKRPRSGTGSLSYSVR 448  
 Db 1251 HSPESHPLCKLHQERDESTLATSLKEDVR 1280

RESULT 6  
 US-09-836-499-5  
 : Sequence 5, Application US/09836499  
 : Publication No. US20030027316A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Meyers, Rachel  
 : TITLE OF INVENTION: 16051A AND 16051B, NOVEL HUMAN PDZ  
 : FILE REFERENCE: 10448-043001  
 : CURRENT APPLICATION NUMBER: US/09/836,499  
 : PRIOR FILING DATE: 2001-04-17  
 : PRIOR APPLICATION NUMBER: US 60/197,507  
 : NUMBER OF SEQ ID NOS: 8  
 : SOFTWARE: FastSeq for Windows Version 4.0  
 : SEQ ID NO 5  
 : LENGTH: 1309  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 US-09-836-499-5

Query Match 3.7%; Score 100.5; DB 11; Length 1309;  
 Best Local Similarity 21.8%; Pred. No. 6.4;  
 Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;  
 QY 10 FMLDQCSPTKPNFNDHAQSCQILIEP-----PDEKPNGHKKKVSFEIYV----- 57  
 Db 839 FMAVNRKIQNSPDNI-----ELIISQKGVGNNPDEKNGTANSVSDILISFYQG 892  
 QY 58 SLASH-----QVLLQNLVLDLLEFVKG-----PSPGEEKTIQVPEAK 95  
 Db 893 SILSHTDODRNEFELDMAGVSLVPRLRHQLSFLPLKAGAGSSCPSPPEISAGEIYFE 952  
 QY 96 LA---GFLRY-----ISMONTAVIFDLDLSDRTAREPPTSGLCKLKKVSGIGAA 145  
 Db 953 LKVEDGTLGFSVTGINTSVYGGIYKSVIPGSPAKKEGIIQGDRL--QVNGV---- 1006  
 QY 146 NLVQSAMSFNIFYHALVCAVLINQETITA---EQYKVLFEDEDESTSSQCSSEDE 201  
 Db 1007 -----ILCG-LTHKQAVQCLKPGQVAVLE--RRVPNSTQCCPSAND 1047

QY 202 DIFETQVSPPRCKEKRRQWRAPPLSVOP-----VSNADWVWLKRLHKLKLMELCNN 255  
 Db 1048 SMGERTAVS-----LVTALPGRPSVSVYDGGKFEVKLKKNANGLGFS 1092  
 QY 256 YIOMHLDLNCMEPPFLFKDPPFILPSFQSESTPTGSGSKETPSEDDRQSRHMG 315  
 Db 1093 FVOM--EKESCSH---LKSIDLVRIKRIFPGQPAEENGALMAGDIILAVNGRSTEGLIQ 1146  
 QY 316 ESLSKAGGD---LLPSPKVEKKDPSRKKEMW--ENAGNKITYMA--ADKTSKLM 367  
 Db 1147 EVLHLNGAPQEVTLICRPPGAL---PEMEQWQTPPELSADKEFTRACTDCTSPIL 1203  
 QY 368 TEYKRRQOHNLSAPKEVKEKGEPLGPGODSPILQRPQHLMDOGMK----- 418  
 Db 1204 DQEDSMRD---SASP-----DAGEGLGRPESS---QKAIREAQWQNRERPMWASSLT 1250  
 QY 419 HSFSAPELLRQDKRPRSGTGSLSYSVR 448  
 Db 1251 HSPESHPLCKLHQERDESTLATSLKEDVR 1280

RESULT 7  
 US-10-162-435-5  
 : Sequence 5, Application US/10162435  
 : Publication No. US20030096305A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Meyers, Rachel  
 : APPLICANT: Gluckemann, Maria Alexandra  
 : APPLICANT: Curtis, Rory A. J.  
 : APPLICANT: Kapeller-Libermann, Rosana  
 : APPLICANT: Bandaru, Rajasekhar  
 : APPLICANT: Leiby, Kevin R.  
 : TITLE OF INVENTION: NOVEL HUMAN MEMBRANE-ASSOCIATED PROTEIN AND  
 : FILE REFERENCE: 10448-189001  
 : CURRENT APPLICATION NUMBER: US/10/162,435  
 : PRIOR FILING DATE: 2002-06-04  
 : PRIOR APPLICATION NUMBER: US 09/836,499  
 : PRIOR FILING DATE: 2001-04-17  
 : PRIOR APPLICATION NUMBER: PCT/US01/12420  
 : PRIOR FILING DATE: 2001-04-17  
 : PRIOR APPLICATION NUMBER: US 60/197,507  
 : PRIOR FILING DATE: 2000-04-18  
 : PRIOR APPLICATION NUMBER: US 09/891,008  
 : PRIOR FILING DATE: 2001-06-25  
 : PRIOR APPLICATION NUMBER: PCT/US01/19963  
 : PRIOR FILING DATE: 2001-06-25  
 : PRIOR APPLICATION NUMBER: US 60/214,220  
 : PRIOR FILING DATE: 2000-06-23  
 : PRIOR APPLICATION NUMBER: US 09/860,868  
 : PRIOR FILING DATE: 2001-05-18  
 : PRIOR APPLICATION NUMBER: PCT/US01/16013  
 : PRIOR FILING DATE: 2001-05-18  
 : PRIOR APPLICATION NUMBER: US 60/205,674  
 : PRIOR FILING DATE: 2000-05-19  
 : PRIOR APPLICATION NUMBER: US 09/886,429  
 : PRIOR FILING DATE: 2001-06-21  
 : PRIOR APPLICATION NUMBER: PCT/US01/20055  
 : PRIOR FILING DATE: 2001-06-21  
 : PRIOR APPLICATION NUMBER: US 60/213,963  
 : PRIOR FILING DATE: 2000-06-23  
 : PRIOR APPLICATION NUMBER: US 10/041,406  
 : PRIOR FILING DATE: 2002-01-08  
 : PRIOR APPLICATION NUMBER: PCT/US02/00275  
 : PRIOR FILING DATE: 2002-01-08  
 : PRIOR APPLICATION NUMBER: US 60/260,286  
 : PRIOR FILING DATE: 2001-01-08  
 : PRIOR APPLICATION NUMBER: US 09/934,268  
 : PRIOR FILING DATE: 2001-08-21  
 : PRIOR APPLICATION NUMBER: PCT/US01/41811  
 : PRIOR FILING DATE: 2001-08-21  
 : PRIOR APPLICATION NUMBER: US 60/226,612

;; PRIOR FILING DATE: 2000-08-21  
;; NUMBER OF SEQ ID NOS: 38  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 5  
;; LENGTH: 1309  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-162-435-5

Query Match 3.7%; Score 100.5; DB 15; Length 1309;  
Best Local Similarity 21.8%; Pred. No. 6.4;  
Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

QY 10 FALDQCSPPKPPNNDHASCQIIELEP-----PDEKPNNGHTKKSYSFRIIV----- 57  
DB 839 FMAVARMIONSDNI-----ELIISQSGVGGNNPDEKNGTANSQVSTDLISFGVQG 892  
QY 58 SLISH-----OVLQNTLYDILLEEFVKG-----PSPEEXTIOVPEAK 95  
DB 893 SLISHTODODRNTTEELDMAGVQSLVRLHOLSLPLKAGAGSSCPSPPEISAGEIYFVE 952  
QY 96 LA---GFLRY-----ISMQLAVIFDILLDSYTRAREFDSPGLKCLKKVSIGIGA 145  
DB 933 LKEDGTGEGSVTGTGINTSVPGYGVYKSVIPGCPAAKGQILQGDRL--QVDV----- 1006  
QY 146 NLVROSAMSFNIYFHALVCAVLTNQETITA---EQVKVLFEDDERSTDSQCSSEDE 201  
DB 1007 -----ILCG-LTHKQAVQCLKGPQVAVLYE--RVRVRSQOQCPASND 1047  
QY 202 DIFEEYAOVSPPRGKEKRWARMPLSVQP-----VSNADWMLVKRLHKLMELCNN 255  
DB 1048 SMGDERTAVS-----LVYALPGRPSSCVSVTDGPKFEVYKLNKANGLGFS 1092  
QY 256 YIQMLDLENCEMEPPPIFKGDPFLLPSTQSSSTPSTGFGSKETPSDDDSQSRHHG 315  
DB 1093 FVQW--EKESCSH-----LKSDLVRIKRLFGQPAEENGAIAGDITLLAVNGRSTGLIFQ 1146  
QY 316 ESLSLKAGGD---LLPPSPKVEKKDPSRKKEW--ENAGNKIYTN--ADKTIKSLM 367  
DB 1147 EYLHLKRGAPQEVTLTLCCPPGAL---PEMEQEMOTPELSADKETRATCTDSCSPIL 1203  
QY 368 TEYKRRKQOHNLSAFPEKVEYKKEGPELPGCGDPSLLQRPQHLMDQGM----- 418  
DB 1204 DQEDSWRD---SASP-----DAGEGGLRPRESS---QKAIREAQMGQNRERRPMASSLT 1250  
QY 419 HSFSAQPELLRODKRPRSGSTGSSLSYSVR 448  
DB 1251 HSPESHPLCKLHQRDESTLATLSLEKDV 1280

RESULT 8  
US-10-106-698-5295  
;; Sequence 5295, Application US/10106698  
;; Publication No. US20030109690A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ruben et al.  
;; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
;; FILE REFERENCE: PA005PI  
;; CURRENT APPLICATION NUMBER: US/10/106,698  
;; CURRENT FILING DATE: 2002-03-27  
;; PRIOR APPLICATION NUMBER: PCT/US00/26524  
;; PRIOR FILING DATE: 2000-09-28  
;; PRIOR APPLICATION NUMBER: US 60/157,137  
;; PRIOR FILING DATE: 1999-09-29  
;; PRIOR APPLICATION NUMBER: US 60/163,280  
;; NUMBER OF SEQ ID NOS: 8564  
;; SOFTWARE: PatentIn Ver. 3.0  
;; SEQ ID NO 5295  
;; LENGTH: 557  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-106-698-5295

Query Match 3.7%; Score 100; DB 15; Length 557;  
Best Local Similarity 21.0%; Pred. No. 1.9;  
Matches 89; Conservative 66; Mismatches 171; Indels 98; Gaps 17;

QY 120 RTAREEDTSPGICLLKRVSGIGAGANDYR-----OSAMSFNIYFHALVCAVLTN 169  
DB 7 RSRWGPQNPRLRGQSRRTKTEGGAASGLRLHTEARAPQEGAM---LWFGALIPAAIAT 63  
QY 170 QETIAEOYKKVLFEDDERSTDSQCSSEDEDEETIAOVSPPRGKEKRWARMPLLS 229  
DB 64 AKRSGAVYFVA--GDDROST---OMASWEMDKXTASSNSFVAIKIDTKSEACIQFSQ 119  
QY 230 VQPV-----SNADWMLVKRLHKLMELCNNYIQHL----- 261  
DB 120 IYPVYCVSPSPFRTGSGIPLEVIASVSD--ELVTRIHKV-----RQHHLKLSST 169  
QY 262 -----DLENCMEPPPIFKGDPFLLPSTQSSSTPSTGFGSKETPS 303  
DB 170 VANGSQSESVSTPASPEPNNTCENSOSRNAELCEIPTSDTKSDTATGSGAGHATSS 229  
QY 304 EDDRQSRHMGESLSIKAGGDLPLPSPKYEKKDPSRKKEWENAGNKIYTMADKTI 363  
DB 230 QEPSCSDQRAEDLNIRY---ERL---TKLEERREK--EEOREIKETERRKT 280  
QY 364 SKLMEYKRRKQOHNLSAFPEKVEYKKEGPELPGCGDPSLLQRPQHLMDQGMHSEFA 423  
DB 281 KEMIDY--KRQEBELTRMLEERNREKEDAAER-----IKQIALDRERARARA 333  
QY 424 GBELLRODKRPRSGTSSLSVSDAEQIQAMTNMVLVTLNQIOT--LPD--QTFALOP 481  
DB 334 -----KTEEVEAKMAALLAKQAEVMEYKRESVARERSTVA--RIQFRLPDGSSPTNQFP 386  
QY 482 AVFP 485  
DB 387 SDAP 390

RESULT 9  
US-09-788-600-5  
;; Sequence 5, Application US/09788600  
;; Patent No. US20020004489A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Shi et al.  
;; TITLE OF INVENTION: Retinoid Receptor Interacting Polynucleotides, polypeptides,  
;; FILE REFERENCE: P101PI  
;; CURRENT APPLICATION NUMBER: US/09/788,600  
;; CURRENT FILING DATE: 2001-02-23  
;; PRIOR APPLICATION NUMBER: PCT/US00/22351  
;; PRIOR FILING DATE: 2000-08-15  
;; PRIOR APPLICATION NUMBER: 60/189,026  
;; PRIOR FILING DATE: 2000-03-14  
;; PRIOR APPLICATION NUMBER: 60/148,757  
;; PRIOR FILING DATE: 1999-08-16  
;; NUMBER OF SEQ ID NOS: 7  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 5  
;; LENGTH: 411  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-788-600-5

Query Match 3.6%; Score 98; DB 9; Length 411;  
Best Local Similarity 19.1%; Pred. No. 1.8;  
Matches 74; Conservative 54; Mismatches 115; Indels 144; Gaps 17;

QY 2 IRAMAQVEMLDQCSPTKPPNNDHASCQIIELEPDEKPNNGHTKKSYSFRIIVSLTS 61  
DB 73 IKSLEKLLLE---EPTT-----SHQSSQGIIVEETSEB-----GNSIPASQSVAAALTS 119  
QY 62 HOVLQNTLYDILLEEFVKGSPGEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYRT 121

Db 120 KRSL-----VLMPE-----SSAEITV-CPETQLSS-----SETPDL----- 150  
QY 122 AREFDTSPGLKCLKV-----SGIGGANLYROSAMS-----FN 156  
Db 151 --EHEVSGSDIILDGRVRIIMADKEVGNKEAEKEVAISTSSNOVSCPLDCGFPPTK 208  
QY 157 IYFHALVCAYLNNETTAEQVKVLFEDDERSTSSQCCSEDEDIFEETAQVSPRGK 216  
Db 209 IERHAMCNGIMEDTJLTRQKEAKTRKSDSGT-----AAQTSIDDK 251  
QY 217 EKRRWRMRMLLSVQPSNADWVLYKRLHKLCELCNNY-----QMHLDLENCMEPP 271  
Db 252 NEKCY-----LCKSLVPFREYQCHVD--SCLDLAK 279  
QY 272 IFKDDPEFLLPSFOSESTPTGSGSK-----ETPSHEDRSQSR-----EHMGESL 318  
Db 280 ADQGD-----GPEGSGRACSTVEGKMOQRKLNPKREKHSBGRLLSFLQSEHKTSDA 331  
QY 319 SLKAGGDDLPPSPKVEKKDPSRKKE 345  
Db 332 DIKSETGAFRVPSPGMEACCSREMQ 358

## RESULT 10

US-09-738-626-4700  
; Sequence 4700, Application US/09738626  
; Publication No. US20020197605A1  
; GENERAL INFORMATION:  
; APPLICANT: NAKAGAMA, SATOSHI  
; APPLICANT: MIZOGUCHI, HIROSHI  
; APPLICANT: ANDO, SEIKO  
; APPLICANT: HAYASHI, MIKIRO  
; APPLICANT: OCHIAI, KEIKO  
; APPLICANT: YOKOI, HARUHIKO  
; APPLICANT: TATEISHI, NAKO  
; APPLICANT: SENOH, AKIHIRO  
; APPLICANT: IKEDA, MASATO  
; APPLICANT: OZAKI, AKIO  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-125  
; CURRENT APPLICATION NUMBER: US/09/738,626  
; CURRENT FILING DATE: 2000-12-18  
; PRIOR APPLICATION NUMBER: JP 99/377484  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: JP 00/159162  
; PRIOR FILING DATE: 2000-04-07  
; PRIOR APPLICATION NUMBER: JP 00/280988  
; PRIOR FILING DATE: 2000-08-03  
; NUMBER OF SEQ ID NOS: 7059  
; SOFTWARE: PatentIn ver. 3.0  
; SEQ ID NO 4700  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: Corynebacterium glutamicum  
US-09-738-626-4700

Query Match 3.6%; Score 98; DB 10; Length 446;  
Best Local Similarity 21.1%; Pred. No. 2;  
Matches 96; Conservative 59; Mismatches 149; Indels 152; Gaps 23;

QY 125 FDTSPGLKCLKKVSIGIGGANLYROSAMSFNIFHALVCAYL-----TNOETTAE 176  
Db 31 FEIAPGERILLTGASGAGKSTIL-----AALAGVLSGSDGVSSTGELLVDAP 77  
QY 177 QVKVLFEDDER-----STDSQOCCS-----EDEDIPEETAQ-----VSPPR--- 214  
Db 78 SIGVLDDPDSQVYASRIGDVAFCENLQIPREIIMPRERALELVGLDLPISHPTKYL 137  
QY 215 --GKEKR-----QWRAMPILSVQPSNAD-----WVWLYKRL 245  
Db 138 SGGQKORALAGVYAMGRRLILLD--EPYANLDPOGQKDYAAVDRVQETATILVYHR 196  
QY 246 HKLCMELCNNYIQMHLDLENCMEPPPIFKGDPFLLPSFOSESTP-----STGGF 296

Db 197 HELWVNIIDRIISI-TGDEVOVPAELIKVGO-----LEGAOPSTSKPLIMANDLLCTWGL 251  
QY 297 SGKTEPSEDDRSQREHMG-----ESLSKAGGDDLPPSPKVEKKD-----PSR 342  
Db 252 RSEFVP-----EGASTVITGNGAGKSTLALTMG3--LLPKSQOLELSDVRGGLNTPH 305  
QY 343 KKEWVENA--GNKIYTMADKTTISKLMEYKKRKQOHNLSAPFREKVEKKGEPPLGRGQ 400  
Db 306 K--WRSADLAARIGTVPODE-----HQVARYRRELEIGKIMKVDS----- 348  
QY 401 DSPLLQPHLMQGMKHSFSGAPPELLRODKRPRSGSTSSLSVSVRAEOIQAWTMM 460  
Db 349 -----ERIEELDLRLRLHLENANPFTL-----SGEKRRLSVAT----- 383  
QY 461 VLTVLNOIQLPDQTFALQPAVPCISQLCHYTD 496  
Db 384 ALVAPKLLIDEPF--GODEFTFELVYMLRELTD 418

## RESULT 11

US-09-982-091A-4  
; Sequence 4, Application US/09982091A  
; Patent No. US20020151030A1  
; GENERAL INFORMATION:  
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY  
; APPLICANT: KUMAGAI, AKIO  
; APPLICANT: DUNPHY, WILLIAM  
; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF  
; FILE REFERENCE: CIT1320-1  
; CURRENT APPLICATION NUMBER: US/09/982,091A  
; PRIOR FILING DATE: 2002-10-17  
; PRIOR APPLICATION NUMBER: US 60/241,246  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 1332  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-982-091A-4

Query Match 3.6%; Score 98; DB 10; Length 1332;  
Best Local Similarity 20.4%; Pred. No. 11;  
Matches 73; Conservative 53; Mismatches 124; Indels 108; Gaps 15;

QY 168 TNOETTAEQVK--KVLFEEDERSTSSQCCSEDEDIFEETAQVSPRGKRRKWRARM 225  
Db 46 SDEELFVSKLKNKRVLQSDSETEDTNASPEKTTYSADEKKNELIYAGKNTK----- 99  
QY 226 PLTSVQPSNADWVLYKRLHKLCELCNNYIQMHLDLE-----CMEPPPIFKGDPF 278  
Db 100 -----IKRIYTVADSDSEYMEKSLYOENLEAOVKPCLF----- 133  
QY 279 FILPSFOSESTPTGSGKETPSEDDRSQREHM-----GESLSKAGGDDLPPSPK 334  
Db 134 ---LSLQSGNSTDPT-----TDRKSSKHNDKGTAKARVSKRRLEKBERK 179  
QY 335 VEKKDPSRKKEW-----WENAGKIYTMADKTTISKLMEYKKR--KOHNH-----SA 381  
Db 180 MEKTRQIKKTKTKQOEDVDVEPFNDSCCLVDKDLFTGTGLDENNSGLEBESLESTRAA 239  
QY 382 FPKVEKVEKGEPLGPRGDSPLDQPHLMQGMKHSFSGAPPELLRODKRPRSGSTGS 441  
Db 240 VKNKVKKHKKKEP-----SLESGV--HSPFESELSKGTTRKERRKARL 281  
QY 442 SLVSVDAAEQIQAWTMMVL--TVLNOIQLPD-----QFTALQPAVPCISQLCH 493  
Db 282 S-----KEALKQLHSETQRLRESALNLPYHMPENKTIHDFFKRP-----RPTCH 327

RESULT 12  
US-09-823-187-88

[illegible]

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y      477 DQTFNALD---PAVPCISQL-----TCHVTD-----TRRQAVREMLGRY 510
y      ||: ||: | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     476 SEKFEALKDNDPVRCKLSALEELGTLQVTSIILOIKNTDVAYATLKIRRYKANMDWAKA 535
y      511 GRVY 514
y      ||
Db     536 AEVY 539

RESULT 13
US-09-764-864-823
; Sequence 823, Application US/09764864
; Patent No. US20020132753A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
FILE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT223
CURRENT APPLICATION NUMBER: US/09/764,864
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 1792
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 823
LENGTH: 759
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (18)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (19)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (21)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (257)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (299)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-823
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Query Match: 3.6%; Score 96.5; DB 10; Length 759;
Best Local Similarity 19.1%; Pred. No. 6.4;
Matches 101; Conservative 84; Mismatches 184; Indels 159; Gaps 26

QY      40 EKENGHTKKSVSFR-----EIVSLSHOVLONLVDLLEEFVKGPS 83
      290 QKAMDHIEEXVSLKPCAKAELVATHFSGHIEFVTKLQNLVLEKFLRSLD-----PRE 344
      84 G---EKKTVQPEAKIAGFLRITSNQNLAVFDLL--LDSTR-----TAREDTSPGLK 132
      345 GIVNDELLOISPCITEQFIELLCQFNPTQVIEFLQVLECYRLEETIOLIQKQVLEHYA 404
QY      133 CLKKTVSGIGGANLYRQAMSFNIFYHALVCVLTNQETTAQVAKVLFEDDERST 192
      405 YLEKKGDTHGAF-----LTMLERLDSKIDQVTHGENT 438
Db
      193 SOCCSSED-EDIFEEAAYV---SPRGRKERO--WRARMBLSV---OPVSNADWYVL 241
      439 KEDPSLKVEDYDMVEFTALCQRNSHNLNQOOREALM--PFLLEPMAAPQKLSS----A 491
Db
      242 VKRLH-----KICMELCNN--YIQMDLDLNCMEPPIRGCD-----PFLPLPSFOS 286
      492 IPIHLSEALKSLTMQVLSNMAAFIALPISLIORLIDQDPYVGKLGKIGETIGLIGLIDFENT 551
Db
      287 ESSTPST-----GGFGSKETPSED-----DRSQSRHNHGESLSLAK 323
      552 EQQLLETTTSLNLQDLHNSLCLNLRASVYRGINPRQDYCSICLQYKKRRQEMADELIYFSC 611
      324 G-----GDLLPSPKVEKKDPSRKKEEMENAGNKITYMAADKITSKMLTEYKKRKOONHL 379

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Db 612 GHLVHSEFLQNKCTVEFEQGTMTCTYKCSSNKV-----GKLSNSENSEIKRGR----- 660  
QY 380 SAFPEKVVY-----EKKGEPILGPRGODSPILLORPOLMDQGMHSFSAGPEL-----LR 429  
Db 661 -ITPQVAMSPSYHOSKDPFAKKGTSEPVLD-POIOIAFDOLCLLYKSSRLALLTEL 718  
QY 430 QDK-----RPRSGTSSLSVSRDAEAOIQAMTNMVLTVLNOIQLP 472  
Db 719 QNRSESEYRPFSGSOSAPAFNSIFONE-----NF-----QLQLP 753

## RESULT 14

US-09-764-864-1161  
; Sequence 1161, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT23  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1161  
; LENGTH: 555  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-864-1161

Query Match  
Best Local Similarity 21.0%; Score 96; DB 10; Length 555;  
Matches 64; Conservative 46; Mismatches 113; Indels 82; Gaps 14;

QY 192 SSQOCS-----SEDEDIFEETAOVSPPRGKE---KROWRARPLLSVQPVSNADWV 240  
Db 3 SMLQCSMKKKVLSDEDEKADVPGTSTRKKKHQPRRLRNRAQSYDIO-----AW 55  
QY 241 LVKRLHKLCELCNNYIOMHLDLNCMEEPPIFGDPPFIIPSFQSESTPSTGFGSGKE 300  
Db 56 -----KKQCEELNLIIFQ-----CEDESPFRQVLDLEYPDYDIDITPM----- 95  
QY 301 TPSEDRSQSRHMGESLSKAGGDDLPPSPKYEKKDP---SRKKEMWENAGNKIYT 356  
Db 96 -----DFATVRE-----TLEAGNYE-----SPMELCKDVRLIFSNSKAYTPSKRSRIYS 139  
QY 357 MAA-----DKTISKLTMEYKKRQOHNLSAPRKVEKKGEPILGPRGODSPILLORPH 410  
Db 140 MSLRLSAFPEEHITSSVLDYSALRFHRRNTITTKRRKRNSSSVSSAASP---ERRKR 197  
QY 411 LMDQGMHSFSAGPELLRODKRPRSGTSSLSVSRDAEAOIQAMT---NMVLTVLNO 467  
Db 198 ILK-----PQL--KSSSTSAFSTPTRSIPRHNMAQINGKTESSSVVTRTSNR 244  
QY 468 IOILP 472  
Db 245 VVVDP 249

## RESULT 15

US-09-764-864-1574  
; Sequence 1574, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT23  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1574  
; LENGTH: 555  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-864-1574

Query Match  
Best Local Similarity 21.0%; Score 96; DB 10; Length 555;  
Matches 64; Conservative 46; Mismatches 113; Indels 82; Gaps 14;

QY 192 SSQOCS-----SEDEDIFEETAOVSPPRGKE---KROWRARPLLSVQPVSNADWV 240  
Db 3 SMLQCSMKKKVLSDEDEKADVPGTSTRKKKHQPRRLRNRAQSYDIO-----AW 55  
QY 241 LVKRLHKLCELCNNYIOMHLDLNCMEEPPIFGDPPFIIPSFQSESTPSTGFGSGKE 300  
Db 56 -----KKQCEELNLIIFQ-----CEDESPFRQVLDLEYPDYDIDITPM----- 95  
QY 301 TPSEDRSQSRHMGESLSKAGGDDLPPSPKYEKKDP---SRKKEMWENAGNKIYT 356  
Db 96 -----DFATVRE-----TLEAGNYE-----SPMELCKDVRLIFSNSKAYTPSKRSRIYS 139  
QY 357 MAA-----DKTISKLTMEYKKRQOHNLSAPRKVEKKGEPILGPRGODSPILLORPH 410  
Db 140 MSLRLSAFPEEHITSSVLDYSALRFHRRNTITTKRRKRNSSSVSSAASP---ERRKR 197  
QY 411 LMDQGMHSFSAGPELLRODKRPRSGTSSLSVSRDAEAOIQAMT---NMVLTVLNO 467  
Db 198 ILK-----PQL--KSSSTSAFSTPTRSIPRHNMAQINGKTESSSVVTRTSNR 244  
QY 468 IOILP 472  
Db 245 VVVDP 249

Search completed: July 25, 2003, 17:10:38  
Job time : 86.4261 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:45:33 ; Search time 791.031 Seconds  
(without alignments)  
569.947 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698  
Sequence: 1 RIRMAQGVFLMDPQCSPKT.....VRQAVREMLGRVRYDITV 518

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 5580241 seqs, 870357830 residues

Total number of hits satisfying chosen parameters: 5580241

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Pending\_Patents\_AA\_Main:\*

1:	/cgn2_6/ptodata/1/paa/PCRUS.COMB.pep.*
2:	/cgn2_6/ptodata/1/paa/US06.COMB.pep.*
3:	/cgn2_6/ptodata/1/paa/US07.COMB.pep.*
4:	/cgn2_6/ptodata/1/paa/US08.COMB.pep.*
5:	/cgn2_6/ptodata/1/paa/US081.COMB.pep.*
6:	/cgn2_6/ptodata/1/paa/US082.COMB.pep.*
7:	/cgn2_6/ptodata/1/paa/US083.COMB.pep.*
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9:	/cgn2_6/ptodata/1/paa/US085.COMB.pep.*
10:	/cgn2_6/ptodata/1/paa/US086.COMB.pep.*
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13:	/cgn2_6/ptodata/1/paa/US089.COMB.pep.*
14:	/cgn2_6/ptodata/1/paa/US090.COMB.pep.*
15:	/cgn2_6/ptodata/1/paa/US091.COMB.pep.*
16:	/cgn2_6/ptodata/1/paa/US092.COMB.pep.*
17:	/cgn2_6/ptodata/1/paa/US093.COMB.pep.*
18:	/cgn2_6/ptodata/1/paa/US094.COMB.pep.*
19:	/cgn2_6/ptodata/1/paa/US095.COMB.pep.*
20:	/cgn2_6/ptodata/1/paa/US096.COMB.pep.*
21:	/cgn2_6/ptodata/1/paa/US097A.COMB.pep.*
22:	/cgn2_6/ptodata/1/paa/US097B.COMB.pep.*
23:	/cgn2_6/ptodata/1/paa/US098.COMB.pep.*
24:	/cgn2_6/ptodata/1/paa/US099A.COMB.pep.*
25:	/cgn2_6/ptodata/1/paa/US099B.COMB.pep.*
26:	/cgn2_6/ptodata/1/paa/US100.COMB.pep.*
27:	/cgn2_6/ptodata/1/paa/US101.COMB.pep.*
28:	/cgn2_6/ptodata/1/paa/US102.COMB.pep.*
29:	/cgn2_6/ptodata/1/paa/US103.COMB.pep.*
30:	/cgn2_6/ptodata/1/paa/US104.COMB.pep.*
31:	/cgn2_6/ptodata/1/paa/US60.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2698	100.0	518	25	US-09-991-681-27
2	2698	100.0	1770	1	PCT-US03-01943-44

3	2698	100.0	1770	27	US-10-144-198-44	Sequence 44, Appl
4	2698	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
5	2698	100.0	1839	1	PCT-US01-42950-495	Sequence 495, App
6	2698	100.0	1839	30	US-10-416-993-495	Sequence 495, App
7	2698	100.0	1872	1	PCT-US03-04508-32	Sequence 32, Appl
8	2698	100.0	2221	1	PCT-US03-01943-30	Sequence 30, Appl
9	2698	100.0	2221	27	US-10-144-198-30	Sequence 30, Appl
10	2598	95.9	1982	1	PCT-US01-08631-40090	Sequence 40090, A
11	2425	89.9	467	12	US-08-842-385-6	Sequence 6, Appl1
12	982	36.4	192	20	US-09-623-791-87	Sequence 87, Appl
13	982	36.4	192	20	US-09-623-791A-87	Sequence 87, Appl
14	982	36.4	192	27	US-10-131-487A-87	Sequence 87, Appl
15	451	16.7	141	28	US-10-221-279-7783	Sequence 7783, Ap
16	260	9.6	49	12	US-08-842-385-10	Sequence 10, Appl
17	260	9.6	49	25	US-09-991-681-31	Sequence 31, Appl
18	255	9.5	50	1	PCT-US01-08631-40088	Sequence 40088, A
19	216	8.0	41	12	US-08-842-385-7	Sequence 7, Appl1
20	216	8.0	41	25	US-09-991-681-28	Sequence 28, Appl
21	215	8.0	40	12	US-08-842-385-9	Sequence 9, Appl1
22	215	8.0	40	25	US-09-991-681-30	Sequence 30, Appl
23	180	6.7	35	12	US-08-842-385-8	Sequence 8, Appl1
24	180	6.7	35	25	US-09-991-681-29	Sequence 29, Appl
25	177.5	6.6	2026	31	US-60-167-217-12644	Sequence 12644, A
26	177.5	6.6	2045	20	US-09-614-150-12615	Sequence 12615, A
27	177.5	6.6	2045	31	US-60-173-464-10275	Sequence 10275, A
28	177.5	6.6	2045	31	US-60-191-637-12650	Sequence 12650, A
29	177.5	6.6	2045	31	US-60-191-661-9932	Sequence 9932, Ap
30	133	4.9	665	20	US-09-614-150-19728	Sequence 19728, Ap
31	133	4.9	665	31	US-60-191-637-19790	Sequence 19790, A
32	133	4.9	665	31	US-60-191-681-15605	Sequence 15605, A
33	133	4.9	687	31	US-60-161-932-1817	Sequence 1817, Ap
34	133	4.9	687	31	US-60-167-217-19874	Sequence 19874, A
35	133	4.9	687	31	US-60-173-464-16217	Sequence 16217, A
36	126.5	4.7	1301	31	US-60-161-932-1520	Sequence 1520, Ap
37	122	4.5	1607	31	US-60-167-334-2192	Sequence 2192, Ap
38	122	4.5	1607	31	US-60-173-386-1957	Sequence 1957, Ap
39	122	4.5	1607	31	US-60-175-871-2185	Sequence 2185, Ap
40	122	4.5	1607	31	US-60-184-775-19874	Sequence 19874, A
41	122	4.5	1657	20	US-09-614-150-42885	Sequence 42885, A
42	118	4.4	1005	18	US-09-417-507-42207	Sequence 42207, A
43	115.5	4.3	742	22	US-09-791-537-54589	Sequence 54589, A
44	115	4.3	748	31	US-60-258-273-127	Sequence 127, App
45	113.5	4.2	743	22	US-09-798-771-34	Sequence 34, Appl

#### ALIGNMENTS

RESULT 1  
US-09-991-681-27  
Sequence 27, Application US/09991681  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
COHEN, MAURICE  
COLPITTS, TRACEY L.  
FRIEDMAN, PAULA N.  
GORDON, JULIAN  
GRANADOS, EDWARD N.  
HODGES, STEVEN C.  
KLASS, MICHAEL R.  
KRATOCHVIL, JON D.  
ROBERTS-RAP, LISA  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/991,681  
FILING DATE: 26-Nov-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/065,383  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084, US-P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-09-991-681-27

Query Match 100.0%; Score 2698; DB 25; Length 518;  
Best Local Similarity 100.0%; Pred. No. 1.3e-240;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRMAQOVMLDTQCSPKTPNNPDHQAOSCOLIIELPDEKPNHGHTKKSVSFEIIVSL 60  
DB 1 RIRMAQOVMLDTQCSPKTPNNPDHQAOSCOLIIELPDEKPNHGHTKKSVSFEIIVSL 60  
QY 61 SHOVLONLYDILIEEFVKPSPGEKTIQVPEAKLAGFLRYISMOMLAVIFDLDSYR 120  
DB 61 SHOVLONLYDILIEEFVKPSPGEKTIQVPEAKLAGFLRYISMOMLAVIFDLDSYR 120  
QY 121 TAREFDTSPGLCKLKLKVSIGGANLYROSAMSFNIFHALVCAVLTNOETTAECYK 180  
DB 121 TAREFDTSPGLCKLKLKVSIGGANLYROSAMSFNIFHALVCAVLTNOETTAECYK 180  
QY 181 VLEFEDRSTDSQOCSSEDEDIFEETAQVSPRGKCKRQWRAMPPLSYQVPSNADWV 240  
DB 181 VLEFEDRSTDSQOCSSEDEDIFEETAQVSPRGKCKRQWRAMPPLSYQVPSNADWV 240  
QY 241 LVRLRLKLMELCNNTYQMLDLENCEMEEPPIFKGDPFFILPSFQSSSTPTGFSGKE 300  
DB 241 LVRLRLKLMELCNNTYQMLDLENCEMEEPPIFKGDPFFILPSFQSSSTPTGFSGKE 300  
QY 301 TPSEDRSQSRHMGESLSKAGGDLPLPPSPVEKKDPSRKKEWENAGNKITYMAAD 360  
DB 301 TPSEDRSQSRHMGESLSKAGGDLPLPPSPVEKKDPSRKKEWENAGNKITYMAAD 360  
QY 361 KTISKLMTEYKKRQOINLSAPFEKVEKKEGELGRGDSPLQRPQILMOGQWRHS 420  
DB 361 KTISKLMTEYKKRQOINLSAPFEKVEKKEGELGRGDSPLQRPQILMOGQWRHS 420  
QY 421 FSAGPELLRODKRPRSSTSSLSVSVRAEAOIQANTNVLTVLNOIQILPQTFALQ 480  
DB 421 FSAGPELLRODKRPRSSTSSLSVSVRAEAOIQANTNVLTVLNOIQILPQTFALQ 480  
QY 481 PAVFPCISQLTCHVTDIRVRAQAVREMLGRGRVYDIIV 518  
DB 481 PAVFPCISQLTCHVTDIRVRAQAVREMLGRGRVYDIIV 518

RESULT 2  
PCT-US03-01943-44  
; Sequence 44, Application PC/TUS0301943

GENERAL INFORMATION:  
APPLICANT: ORIGENE TECHNOLOGIES INC  
TITLE OF INVENTION: CANCER GENES  
FILE REFERENCE: 30 90 901 PCT  
CURRENT APPLICATION NUMBER: PCT/US03/01943  
CURRENT FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 10/054,935  
PRIOR FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 60/356,130  
PRIOR FILING DATE: 2002-02-14  
PRIOR APPLICATION NUMBER: US 10/102,946  
PRIOR FILING DATE: 2002-03-22  
PRIOR APPLICATION NUMBER: US 10/117,229  
PRIOR FILING DATE: 2002-04-08  
PRIOR APPLICATION NUMBER: US 10/144,198  
PRIOR FILING DATE: 2002-05-14  
PRIOR APPLICATION NUMBER: US 10/197,824  
PRIOR FILING DATE: 2002-07-19  
NUMBER OF SEQ ID NOS: 102  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-01943-44

Query Match 100.0%; Score 2698; DB 1; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 9.8e-240;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRMAQOVMLDTQCSPKTPNNPDHQAOSCOLIIELPDEKPNHGHTKKSVSFEIIVSL 60  
DB 1253 RIRMAQOVMLDTQCSPKTPNNPDHQAOSCOLIIELPDEKPNHGHTKKSVSFEIIVSL 1312  
QY 61 SHOVLONLYDILIEEFVKPSPGEKTIQVPEAKLAGFLRYISMOMLAVIFDLDSYR 120  
DB 1313 SHOVLONLYDILIEEFVKPSPGEKTIQVPEAKLAGFLRYISMOMLAVIFDLDSYR 1372  
QY 121 TAREFDTSPGLCKLKLKVSIGGANLYROSAMSFNIFHALVCAVLTNOETTAECYK 180  
DB 1373 TAREFDTSPGLCKLKLKVSIGGANLYROSAMSFNIFHALVCAVLTNOETTAECYK 1432  
QY 181 VLEFEDRSTDSQOCSSEDEDIFEETAQVSPRGKCKRQWRAMPPLSYQVPSNADWV 240  
DB 1433 VLEFEDRSTDSQOCSSEDEDIFEETAQVSPRGKCKRQWRAMPPLSYQVPSNADWV 1492  
QY 241 LVRLRLKLMELCNNTYQMLDLENCEMEEPPIFKGDPFFILPSFQSSSTPTGFSGKE 300  
DB 1493 LVRLRLKLMELCNNTYQMLDLENCEMEEPPIFKGDPFFILPSFQSSSTPTGFSGKE 1552  
QY 301 TPSEDRSQSRHMGESLSKAGGDLPLPPSPVEKKDPSRKKEWENAGNKITYMAAD 360  
DB 1553 TPSEDRSQSRHMGESLSKAGGDLPLPPSPVEKKDPSRKKEWENAGNKITYMAAD 1612  
QY 361 KTISKLMTEYKKRQOINLSAPFEKVEKKEGELGRGDSPLQRPQILMOGQWRHS 420  
DB 1613 KTISKLMTEYKKRQOINLSAPFEKVEKKEGELGRGDSPLQRPQILMOGQWRHS 1672  
QY 421 FSAGPELLRODKRPRSSTSSLSVSVRAEAOIQANTNVLTVLNOIQILPQTFALQ 480  
DB 1673 FSAGPELLRODKRPRSSTSSLSVSVRAEAOIQANTNVLTVLNOIQILPQTFALQ 1732  
QY 481 PAVFPCISQLTCHVTDIRVRAQAVREMLGRGRVYDIIV 518  
DB 1733 PAVFPCISQLTCHVTDIRVRAQAVREMLGRGRVYDIIV 1770

RESULT 3  
US-10-144-198-44  
; Sequence 44, Application US/10144198  
; GENERAL INFORMATION:  
; APPLICANT: Origene Technologies Inc  
; TITLE OF INVENTION: Regulated Prostate Cance Genes



FILE REFERENCE: 90 105 R1  
CURRENT APPLICATION NUMBER: US/10/144,198  
CURRENT FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 44  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRF  
ORGANISM: Homo sapiens  
US-10-144-198-44

Query Match 100.0%; Score 2698; DB 27; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 9,8e-240;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQVFMIDTQCSPTNNFDHAQSCOLIIEPPEKPGHKKSVSFREIYVSL 60  
DB 1253 RIRAMAQVFMIDTQCSPTNNFDHAQSCOLIIEPPEKPGHKKSVSFREIYVSL 1312  
QY 61 SHQVLLQNLXDILLEEFVKGPSPEKKTIOVPEAKLAGFLRYISMONLAVIFDLDSYR 120  
DB 1313 SHQVLLQNLXDILLEEFVKGPSPEKKTIOVPEAKLAGFLRYISMONLAVIFDLDSYR 1372  
QY 121 TAREFTSPGLCKLKKVSGIGGAANLYROSAMSFNIYFHALCAVLTNOETITABQVK 180  
DB 1373 TAREFTSPGLCKLKKVSGIGGAANLYROSAMSFNIYFHALCAVLTNOETITABQVK 1432  
QY 181 VFEDDERSTDSQOCSSEDEDEFEETAQVSPRGKEKROWRAMPLLSVQPSNADWY 240  
DB 1433 VFEDDERSTDSQOCSSEDEDEFEETAQVSPRGKEKROWRAMPLLSVQPSNADWY 1492  
QY 241 LVKRLHKLMELCNNYIOHMLDLENCEMEPIFGKGFPLIFPSQSESTPTSGSGKE 300  
DB 1493 LVKRLHKLMELCNNYIOHMLDLENCEMEPIFGKGFPLIFPSQSESTPTSGSGKE 1552  
QY 301 TPSEDDRQSRHEMGESLSLKAGGDLPLPSPKVEKKDPSRKKEMWENAKNTYMAAD 360  
DB 1553 TPSEDDRQSRHEMGESLSLKAGGDLPLPSPKVEKKDPSRKKEMWENAKNTYMAAD 1612  
QY 361 KTISKMTETKKRQOHNLSAPPEKVEKKEGPLPGRGDSPLDLPQHLMDQGMRS 420  
DB 1613 KTISKMTETKKRQOHNLSAPPEKVEKKEGPLPGRGDSPLDLPQHLMDQGMRS 1672  
QY 421 FSAGPELLRQDKRRSGSTGSSLSVSRDAEAQIQAMTNVLTVLNQIQLPQFTTALQ 480  
DB 1673 FSAGPELLRQDKRRSGSTGSSLSVSRDAEAQIQAMTNVLTVLNQIQLPQFTTALQ 1732  
QY 481 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRYDIIV 518  
DB 1733 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRYDIIV 1770

## RESULT 4

PCT-US01-08631-40087  
Sequence 40087, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40087  
LENGTH: 1807  
TYPE: PRF  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN

LOCATION: (48)..(62)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,  
OTHER INFORMATION: accession number PF00523D, P-value=7.188e-10, raw score of 11  
NAME/KEY: DOMAIN  
LOCATION: (941)..(950)  
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40087

Query Match 100.0%; Score 2698; DB 1; Length 1807;  
Best Local Similarity 100.0%; Pred. No. 1e-239;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQVFMIDTQCSPTNNFDHAQSCOLIIEPPEKPGHKKSVSFREIYVSL 60  
DB 1290 RIRAMAQVFMIDTQCSPTNNFDHAQSCOLIIEPPEKPGHKKSVSFREIYVSL 1349  
QY 61 SHQVLLQNLXDILLEEFVKGPSPEKKTIOVPEAKLAGFLRYISMONLAVIFDLDSYR 120  
DB 1350 SHQVLLQNLXDILLEEFVKGPSPEKKTIOVPEAKLAGFLRYISMONLAVIFDLDSYR 1409  
QY 121 TAREFTSPGLCKLKKVSGIGGAANLYROSAMSFNIYFHALCAVLTNOETITABQVK 180  
DB 1410 TAREFTSPGLCKLKKVSGIGGAANLYROSAMSFNIYFHALCAVLTNOETITABQVK 1469  
QY 181 VFEDDERSTDSQOCSSEDEDEFEETAQVSPRGKEKROWRAMPLLSVQPSNADWY 240  
DB 1470 VFEDDERSTDSQOCSSEDEDEFEETAQVSPRGKEKROWRAMPLLSVQPSNADWY 1529  
QY 241 LVKRLHKLMELCNNYIOHMLDLENCEMEPIFGKGFPLIFPSQSESTPTSGSGKE 300  
DB 1530 LVKRLHKLMELCNNYIOHMLDLENCEMEPIFGKGFPLIFPSQSESTPTSGSGKE 1589  
QY 301 TPSEDDRQSRHEMGESLSLKAGGDLPLPSPKVEKKDPSRKKEMWENAKNTYMAAD 360  
DB 1590 TPSEDDRQSRHEMGESLSLKAGGDLPLPSPKVEKKDPSRKKEMWENAKNTYMAAD 1649  
QY 361 KTISKMTETKKRQOHNLSAPPEKVEKKEGPLPGRGDSPLDLPQHLMDQGMRS 420  
DB 1650 KTISKMTETKKRQOHNLSAPPEKVEKKEGPLPGRGDSPLDLPQHLMDQGMRS 1709  
QY 421 FSAGPELLRQDKRRSGSTGSSLSVSRDAEAQIQAMTNVLTVLNQIQLPQFTTALQ 480  
DB 1710 FSAGPELLRQDKRRSGSTGSSLSVSRDAEAQIQAMTNVLTVLNQIQLPQFTTALQ 1769  
QY 481 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRYDIIV 518  
DB 1770 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRYDIIV 1807

## RESULT 5

PCT-US01-42950-495  
Sequence 495, Application PC/TUS0142950  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: PCT/US01/42950  
CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 09/714,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRF  
ORGANISM: Homo sapiens  
PCT-US01-42950-495

Query Match 100.0%; Score 2698; DB 1; Length 1839;  
Best Local Similarity 100.0%; Pred. No. 1e-239;  
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





PCT-US01-08631-40090  
: Sequence 40090, Application PC/TUS0108631  
: GENERAL INFORMATION:  
: APPLICANT: Hyseq, Inc  
: TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
: FILE REFERENCE: 21272-049  
: CURRENT APPLICATION NUMBER: PCT/US01/08631  
: CURRENT FILING DATE: 2001-03-30  
: PRIOR APPLICATION NUMBER: 09/540,217  
: PRIOR FILING DATE: 2000-03-31  
: PRIOR APPLICATION NUMBER: 09/649,167  
: PRIOR FILING DATE: 2000-08-23  
: NUMBER OF SEQ ID NOS: 60736  
: SOFTWARE: Custom  
: SEQ ID NO 40090  
: LENGTH: 1982  
: TYPE: PRT  
: ORGANISM: Homo sapiens  
: FEATURE:  
: NAME/KEY: DOMAIN  
: LOCATION: (11)..(25)  
: OTHER INFORMATION: Fusion glycoprotein F0 domain identified by ematrix.  
: OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39  
: LOCATION: (1065)..(1074)  
: OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
: OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40090

Query Match 95.9%; Score 2588; DB 1; Length 1982;  
Best Local Similarity 99.28; Pred. No. 1.9e-229;  
Matches 499; Conservative 0; Mismatches 0; Indels 4; Gaps 1;  
QY 1 RIRAMAQOVMPLDQCSPTKPNNDHAQSCQILTELPDEKPNHTRKVSFEIIVSL 60  
DB 1408 RIRAMAQOVMPLDQCSPTKPNNDHAQSCQILTELPDEKPNHTRK----REIIVSL 1463  
QY 61 SHOVLONLYDILLEEYKQSPGEKTIQVPEAKLAGFLRYISMONLAVIFDILDSYR 120  
DB 1464 SHOVLONLYDILLEEYKQSPGEKTIQVPEAKLAGFLRYISMONLAVIFDILDSYR 1523  
QY 121 TAREFTSPGLKCLLKVSGIGGANLYROSAMSFNIFHALVCAVLNNOETITAEQVK 180  
DB 1524 TAREFTSPGLKCLLKVSGIGGANLYROSAMSFNIFHALVCAVLNNOETITAEQVK 1583  
QY 181 VLEFEDERSTDSQOCSEDEDIFETTAQVSPRGKKEKROWRAMPPLISVQPVSNADVM 240  
DB 1584 VLEFEDERSTDSQOCSEDEDIFETTAQVSPRGKKEKROWRAMPPLISVQPVSNADVM 1643  
QY 241 LVKRLHKLMEICNNYIOMHLDLENCKMEPPITFGDPPFLLPSFQSSSTPSTGFSGKE 300  
DB 1644 LVKRLHKLMEICNNYIOMHLDLENCKMEPPITFGDPPFLLPSFQSSSTPSTGFSGKE 1703  
QY 301 TPSEDDDSQSRHMGESLSLAKGGDLLPPSPVYEKKDPSRKKEMMENGNKITYMAAD 360  
DB 1704 TPSEDDDSQSRHMGESLSLAKGGDLLPPSPVYEKKDPSRKKEMMENGNKITYMAAD 1763  
QY 361 KTISKLTETKKRKQOHNLSAFPEKVEKKEGPELGRGDSPLQRPQHLMDQGMRS 420  
DB 1764 KTISKLTETKKRKQOHNLSAFPEKVEKKEGPELGRGDSPLQRPQHLMDQGMRS 1823  
QY 421 FSAGPELLRODKRPRSGSTGSSLSVSRDAEAQIOAWTNMVLTVLNOIQLPDQFTALQ 480  
DB 1824 FSAGPELLRODKRPRSGSTGSSLSVSRDAEAQIOAWTNMVLTVLNOIQLPDQFTALQ 1883  
QY 481 PAVFPICISOLTCHTDTRVROAV 503  
DB 1884 PAVFPICISOLTCHTDTRVROAV 1906

RESULT 11  
US-08-842-385-6  
: Sequence 6, Application US/08842385

GENERAL INFORMATION:  
: APPLICANT: Russell, John  
: APPLICANT: Colpitts, Tracey  
: TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
: TITLE OF INVENTION: FOR DETECTING DISEASE OF THE PROSTATE  
: NUMBER OF SEQUENCES: 11  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Abbott Laboratories  
: STREET: 100 Abbott Park Road  
: CITY: Abbott Park  
: STATE: IL  
: COUNTRY: USA  
: ZIP: 60064-3500  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Diskette  
: COMPUTER: IBM Compatible  
: OPERATING SYSTEM: DOS  
: SOFTWARE: FastSeq for Windows Version 2.0  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/842,385  
: FILING DATE:  
: CLASSIFICATION: 435  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER:  
: FILING DATE:  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Forembek, Priscilla E  
: REGISTRATION NUMBER: 33,207  
: REFERENCE/DOCKET NUMBER: 6084, US, 01  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 847/937-6365  
: TELEFAX: 847/938-2623  
: TELEX:  
: INFORMATION FOR SEQ ID NO: 6:  
: SEQUENCE CHARACTERISTICS:  
: LENGTH: 467 amino acids  
: TYPE: amino acid  
: STRANDEDNESS: single  
: TOPOLOGY: linear  
: MOLECULE TYPE: None  
US-08-842-385-6

Query Match 89.9%; Score 2425; DB 12; Length 467;  
Best Local Similarity 100.0%; Pred. No. 2.5e-215;  
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 52 FREIVSLSHOVLONLYDILLEEYKQSPGEKTIQVPEAKLAGFLRYISMONLAVI 111  
DB 1 FREIVSLSHOVLONLYDILLEEYKQSPGEKTIQVPEAKLAGFLRYISMONLAVI 60  
QY 112 FDLLDSYRAREEDTSPGLKCLLKVSGIGGANLYROSAMSFNIFHALVCAVLNNOE 171  
DB 61 FDLLDSYRAREEDTSPGLKCLLKVSGIGGANLYROSAMSFNIFHALVCAVLNNOE 120  
QY 172 TITAEQYKVLFEDEDERSTDSQOCSEDEDIFETTAQVSPRGKKEKROWRAMPPLISVQ 231  
DB 121 TITAEQYKVLFEDEDERSTDSQOCSEDEDIFETTAQVSPRGKKEKROWRAMPPLISVQ 180  
QY 232 PVSADVMVLVYKRLHKLMEICNNYIOMHLDLENCKMEPPITFGDPPFLLPSFQSSSTP 291  
DB 181 PVSADVMVLVYKRLHKLMEICNNYIOMHLDLENCKMEPPITFGDPPFLLPSFQSSSTP 240  
QY 292 STGFSGETPSEDDDSQSRHMGESLSLAKGGDLLPPSPVYEKKDPSRKKEMMENAG 351  
DB 241 STGFSGETPSEDDDSQSRHMGESLSLAKGGDLLPPSPVYEKKDPSRKKEMMENAG 300  
QY 352 NKITYMAADKTISKLTETKKRKQOHNLSAFPEKVEKKEGPELGRGDSPLQRPQHL 411  
DB 301 NKITYMAADKTISKLTETKKRKQOHNLSAFPEKVEKKEGPELGRGDSPLQRPQHL 360  
QY 412 MDQGMRSFSAGPELLRODKRPRSGSTGSSLSVSRDAEAQIOAWTNMVLTVLNOIQL 471  
DB 361 MDQGMRSFSAGPELLRODKRPRSGSTGSSLSVSRDAEAQIOAWTNMVLTVLNOIQL 420

OY 472 PGTFTALOPAVFPCISQLTCHVTDIRVQAVREMLGRVYDITV 518  
|||||  
Db 421 PGTFTALOPAVFPCISQLTCHVTDIRVQAVREMLGRVYDITV 467

RESULT 12  
US-09-623-791-87

; Sequence 87, Application US/09623791  
; GENERAL INFORMATION:  
; APPLICANT: SPECHT, THOMAS  
; APPLICANT: HINZMANN, BERND  
; APPLICANT: SCHMITT, ARMIN  
; APPLICANT: PILARSKY, CHRISTIAN  
; APPLICANT: DAHL, EDGAR  
; APPLICANT: ROSENTHAL, ANDRE  
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE  
; FILE REFERENCE: ALBRE 11  
; CURRENT APPLICATION NUMBER: US/09/623,791  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: PCT/DE99/00721  
; PRIOR FILING DATE: 1999-03-09  
; NUMBER OF SEQ ID NOS: 201  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 87  
; LENGTH: 192  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-623-791-87

Query Match 36.4%; Score 982; DB 20; Length 192;  
Best Local Similarity 100.0%; Pred. No. 6.1e-82;  
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 64  
|||||  
Db 1 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 60  
65 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 124  
|||||  
Db 61 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 120  
125 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 184  
|||||  
Db 121 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 180  
OY 185 DDERSTDSSQOC 196  
|||||  
Db 181 DDERSTDSSQOC 192

RESULT 13  
US-09-623-791A-87

; Sequence 87, Application US/09623791A  
; GENERAL INFORMATION:  
; APPLICANT: SPECHT, THOMAS  
; APPLICANT: HINZMANN, BERND  
; APPLICANT: SCHMITT, ARMIN  
; APPLICANT: PILARSKY, CHRISTIAN  
; APPLICANT: DAHL, EDGAR  
; APPLICANT: ROSENTHAL, ANDRE  
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE  
; FILE REFERENCE: ALBRE 11  
; CURRENT APPLICATION NUMBER: US/09/623,791A  
; CURRENT FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: PCT/DE99/00721  
; PRIOR FILING DATE: 1999-03-09  
; NUMBER OF SEQ ID NOS: 201  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 87  
; LENGTH: 192  
; TYPE: PRT  
; ORGANISM: Homo sapiens

## US-09-623-791A-87

Query Match 36.4%; Score 982; DB 20; Length 192;  
Best Local Similarity 100.0%; Pred. No. 6.1e-82;  
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 64  
|||||  
Db 1 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 60  
65 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 124  
|||||  
Db 61 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 120  
125 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 184  
|||||  
Db 121 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 180  
OY 185 DDERSTDSSQOC 196  
|||||  
Db 181 DDERSTDSSQOC 192

RESULT 14  
US-10-131-487A-87

; Sequence 87, Application US/10131487A  
; GENERAL INFORMATION:  
; APPLICANT: SPECHT, THOMAS  
; APPLICANT: HINZMANN, BERND  
; APPLICANT: SCHMITT, ARMIN  
; APPLICANT: PILARSKY, CHRISTIAN  
; APPLICANT: DAHL, EDGAR  
; APPLICANT: ROSENTHAL, ANDRE  
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE  
; FILE REFERENCE: ALBRE 11  
; CURRENT APPLICATION NUMBER: US/10/131,487A  
; CURRENT FILING DATE: 2002-04-25  
; PRIOR APPLICATION NUMBER: US/09/623,791A  
; PRIOR FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: PCT/DE99/00721  
; PRIOR FILING DATE: 1999-03-09  
; NUMBER OF SEQ ID NOS: 201  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 87  
; LENGTH: 192  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-131-487A-87

Query Match 36.4%; Score 982; DB 27; Length 192;  
Best Local Similarity 100.0%; Pred. No. 6.1e-82;  
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 64  
|||||  
Db 1 MAQOVFMDTQCSPTKPNPFNDHAQSCOLIIEPPDEKPNGHTKKSVSFREIVVSLSHOV 60  
65 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 124  
|||||  
Db 61 LLONYDILILEEFVKPSPGEEKTIOVPEAKLAGFLRYISMOMLAVIFDILLDSYRTARE 120  
125 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 184  
|||||  
Db 121 FPTSGLKCLLKVSGIGGANLYROSAMSFNIFYHALVCAYLTNOETTTAEQVKVLE 180  
OY 185 DDERSTDSSQOC 196  
|||||  
Db 181 DDERSTDSSQOC 192

RESULT 15  
US-10-221-279-7783

; Sequence 7783, Application US/10221279

```

; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-046
; CURRENT APPLICATION NUMBER: US/10/221,279
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/574,454
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 09/519,705
; PRIOR FILING DATE: 2000-03-07
; NUMBER OF SEQ ID NOS: 12360
; SOFTWARE: Custom
; SEQ ID NO 7783
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(141)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-221-279-7783

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Query Match          16.7%; Score 451; DB 28; Length 141;
Best Local Similarity 87.9%; Pred. No. 7.6e-33;
Matches 87; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

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QY 278 FFLPSFSESTPSTGSGFSGKETPSDEDDRSQSRHMGESLSLKAGGDLPLPSPKVEK 337
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 42 FHXAAPPGRRCRCTPTSGFCGKETPSGDEDDRSQSRHMGESLSLKAGGDLPLPSPKVEK 101
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 338 KDPSSKKEMWENAGNKITYTMAADKTISKLTETKRRKQO 376
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 102 KDPSSKKEMWENAGNKITYTMAADKTISKLTETKRRKQO 140
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Search completed: July 25, 2003, 17:07:05  
 Job time : 793.031 secs.

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:03 ; Search time 14.41 Seconds  
(without alignments)  
147.608 Million cell updates/sec

Title: US-09-991-681-27

Sequence: 1 RIRAMAQOVFMDTQCSPKT.....VRQAVREMLGRVGRVYDIIIV 518

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 41799 seqs, 4106219 residues

Total number of hits satisfying chosen parameters: 41799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Maximum Match 100%

Listing first 45 summaries

Database :

Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/pcodata/2/paa/PCT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/pcodata/2/paa/US02\_NEW\_COMB.pep:\*  
3: /cgn2\_6/pcodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/pcodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/pcodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/pcodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/pcodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2698	100.0	1872	6 US-10-367-978-32	Sequence 32, App1
2	111	4.1	1189	6 US-10-273-573-8991	Sequence 8991, Ap
3	108.5	4.0	872	6 US-10-372-209-16	Sequence 16, App1
4	105	3.9	1537	6 US-10-273-573-10709	Sequence 10709, A
5	103	3.8	400	1 PCT-US02-41612A-446	Sequence 446, App
6	101.5	3.8	1185	6 US-10-273-573-10708	Sequence 10708, A
7	100	3.7	1310	6 US-10-273-573-9457	Sequence 9457, Ap
8	98	3.6	1372	6 US-10-273-573-8150	Sequence 8150, Ap
9	98	3.6	1377	6 US-10-273-573-8152	Sequence 8152, Ap
10	96	3.6	914	6 US-10-374-979-93	Sequence 93, App1
11	96	3.6	2207	6 US-10-273-573-9039	Sequence 9039, Ap
12	95.5	3.5	1713	1 PCT-US02-18638A-113	Sequence 113, App
13	95	3.5	428	7 US-60-478-196-3200	Sequence 3200, Ap
14	95	3.5	464	6 US-10-275-595A-14	Sequence 14, App1
15	94	3.5	817	6 US-10-273-573-8906	Sequence 8906, Ap
16	93	3.4	916	6 US-10-294-433-342	Sequence 342, App
17	93	3.4	1038	6 US-10-463-190-113	Sequence 113, App
18	93	3.4	1038	6 US-10-463-190-114	Sequence 114, App
19	93	3.4	1038	6 US-10-463-190-115	Sequence 115, App
20	92	3.4	1620	6 US-10-273-573-10983	Sequence 10983, A
21	90.5	3.4	3256	6 US-10-294-433-234	Sequence 234, App
22	90.5	3.4	3257	6 US-10-294-433-666	Sequence 666, App
23	89.5	3.3	1654	6 US-10-273-573-10055	Sequence 10055, A
24	89.5	3.3	2202	6 US-10-273-573-10035	Sequence 10035, A
25	89	3.3	313	1 PCT-US02-41612A-454	Sequence 454, App
26	89	3.3	325	1 PCT-US02-41612A-451	Sequence 451, App

27	89	3.3	388	1 PCT-US02-41612A-447	Sequence 447, App
28	89	3.3	390	1 PCT-US02-41612A-445	Sequence 445, App
29	89	3.3	390	1 PCT-US02-41612A-452	Sequence 452, App
30	89	3.3	406	1 PCT-US02-41612A-448	Sequence 448, App
31	89	3.3	4368	7 US-60-479-073-291	Sequence 291, App
32	88.5	3.3	257	1 PCT-US02-41612A-456	Sequence 456, App
33	88	3.3	2548	5 US-09-851-682B-1	Sequence 1, App1
34	87.5	3.2	890	1 PCT-US02-18638A-196	Sequence 196, App
35	87.5	3.2	2093	6 US-10-273-573-6361	Sequence 6361, Ap
36	87	3.2	1194	6 US-10-273-573-9585	Sequence 9585, Ap
37	86	3.2	2121	6 US-10-273-573-9034	Sequence 9034, Ap
38	85.5	3.2	474	6 US-10-434-991A-2	Sequence 2, App1
39	85.5	3.2	1617	6 US-10-451-207-5	Sequence 5, App1
40	84.5	3.1	425	6 US-10-273-573-9222	Sequence 9222, Ap
41	84.5	3.1	1025	6 US-10-273-573-8151	Sequence 8151, Ap
42	84.5	3.1	1162	6 US-10-451-375-3	Sequence 3, App1
43	84.5	3.1	1233	5 US-09-291-417D-89	Sequence 89, App1
44	84	3.1	802	6 US-10-273-573-9033	Sequence 9033, Ap
45	84	3.1	1154	6 US-10-273-573-9040	Sequence 9040, Ap

## ALIGNMENTS

RESULT 1					
US-10-367-978-32					
Sequence 32, Application US/10367978					
GENERAL INFORMATION:					
APPLICANT: GATELY, DENNIS					
TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN					
TITLE OF INVENTION: OR THERAPEUTICS					
FILE REFERENCE: 037003-0301988					
CURRENT APPLICATION NUMBER: US/10/367,978					
CURRENT FILING DATE: 2003-02-19					
PRIOR APPLICATION NUMBER: 60/357,140					
PRIOR FILING DATE: 2002-02-19					
PRIOR APPLICATION NUMBER: 60/396,082					
PRIOR FILING DATE: 2002-07-17					
PRIOR APPLICATION NUMBER: 60/386,759					
PRIOR FILING DATE: 2002-06-10					
NUMBER OF SEQ ID NOS: 89					
SOFTWARE: PatentIn Ver. 2.1					
SEQ ID NO 32					
LENGTH: 1872					
TYPE: PRT					
ORGANISM: Homo sapiens					
US-10-367-978-32					
Query Match					
Best Local Similarity 100.0%: Score 2698; DB 6; Length 1872;					
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	RIRAMAQOVFMDTQCSPKTNPNFMDHAQSCQILIEPPEKPNHGTRKSVSREIYVSL	60		
DB	1355	RIRAMAQOVFMDTQCSPKTNPNFMDHAQSCQILIEPPEKPNHGTRKSVSREIYVSL	1414		
QY	61	SHOVLQNLTYDILIEFVKGPSGKEKTIQVPAKLAGFRYISKQNLAVIFDLDSIR	120		
DB	1415	SHOVLQNLTYDILIEFVKGPSGKEKTIQVPAKLAGFRYISKQNLAVIFDLDSIR	1474		
QY	121	TAREFPTSPGLKLLKVSIGGANLYROSASFNIYFALVCALVLTQNETTARQVK	180		
DB	1475	TAREFPTSPGLKLLKVSIGGANLYROSASFNIYFALVCALVLTQNETTARQVK	1534		
QY	181	VLFEDDERSTSSQSSSEDEDIFETTAQVSPRGKEKRWARMPLLSVQPVSNADWW	240		
DB	1535	VLFEDDERSTSSQSSSEDEDIFETTAQVSPRGKEKRWARMPLLSVQPVSNADWW	1594		
QY	241	LVRKLRLKLMELCNNTIOHMLDENKMEPPRIKGPFFILPSFOSSSTPSTGSGSKE	300		
DB	1595	LVRKLRLKLMELCNNTIOHMLDENKMEPPRIKGPFFILPSFOSSSTPSTGSGSKE	1654		
QY	301	TPSEDDRSQSRHMGESLSLKAGGDLPLPPSPKVERKDKPSRKKEWENAGNKITYMAAD	360		

Db 1655 TPSEDDSSQREHNGESLSLAGGDLPLPSPVKEKDPFRKEMENAGNKITYMAAD 1714  
Qy 361 KTISKLMTYKKRKROHNSAFPKVEYKKEGPELPGSGDSPILQRPQHLMDGOMRHS 420  
Db 1715 KTISKLMTYKKRKROHNSAFPKVEYKKEGPELPGSGDSPILQRPQHLMDGOMRHS 1774  
Qy 421 FSAGPELLRODKRRPSGSGSSLSVSRDAEAQIOAMTNVLTNLQIILPDQTFALQ 480  
Db 1775 FSAGPELLRODKRRPSGSGSSLSVSRDAEAQIOAMTNVLTNLQIILPDQTFALQ 1834  
Qy 481 PAVFPCISQLTCHVTDIRVRAVREMLGRVGVYDIIV 518  
Db 1835 PAVFPCISQLTCHVTDIRVRAVREMLGRVGVYDIIV 1872

RESULT 2  
US-10-273-573-8991  
Sequence 8991, Application US/10273573  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-066  
CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
PRIOR FILING DATE: 2001-01-26  
NUMBER OF SEQ ID NOS: 10994  
SOFTWARE: Custom  
SEQ ID NO 8991  
LENGTH: 1189  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (649)..(669)  
OTHER INFORMATION: CORONAVIRUS NUCLEOCAPSID PROTEIN domain identified by  
OTHER INFORMATION: EMATRIX, accession number DM01206B, p-value=4.646e-09, raw score  
US-10-273-573-8991

Query Match 4.1%, Score 111; DB 6; Length 1189;  
Best Local Similarity 18.5%, Pred. NO. 0.013;  
Matches 94; Conservative 78; Mismatches 183; Indels 154; Gaps 20;  
Qy 1 RIRAAQOVFLMDPQCSPKTPNPNFDHQSCLITELP---PDEKPNIGHTKKSVSRETIYV 57  
Db 251 QISLSQSEVKTDY-CIYHLPNDPPTCLITSESKYQYQVSCPLSDLSSEVSEVANEKITE 309  
Qy 58 SLISHOYLLQNLIDYLLEFVKP---SPGE-----EKTIOVPEAKLAGFLRYISMQN 107  
Db 310 SSLV-ELTEHKDFLTKTEELIESPKLESSEGEIIQTVDRQSVKSPVQLGHVETDEVI 368  
Qy 108 LAVTFDLILSYRAREEDTSPGLKCLKIKYSGIGGANLYRQASMSNFIYHALLVCANL 167  
Db 369 IATCDTFGNEDEFNNOISENN---LTKN-----NLNLTREKLSLE 405  
Qy 168 TNOETIT-----AEQVKVLFEDDER---STDSQSCSEDEDEFEETAQVSP 213  
Db 406 EKNSSLTEHPRSTELPKTHITQIOKHSEDNENMIPEBCDSFCSDONES----- 454  
Qy 214 RGEKRWARMPLLSVQPVSNADWVLVYKRLKLCMELCNNTYIOMHLDENCMEEPPIF 273  
Db 455 -----EVEPSVNAD-----LKQMNENSVTHCS-----ENNN--PSSD 484  
Qy 274 KGDPFLIPSFQSS-----STPSTGSGSGKETSESDRSGSREHMG 315  
Db 485 LADKEVETVQSPSPKDTIDTKTKPRTRRSRFSPTTWSPNKDTFOEKKRPOS----- 539  
Qy 316 ESLSKAGGDLPLPSPVKEKDPSPK---KEMENAGNKITYMAADKTISKLMT 369

Db 540 -----PSPRETGKESKRSQSPSPKNSARCKRSQSPKKDIA----- 579  
Qy 370 YKKRKQOHNLSAFPKVEYKKEGPELPGSGDSPILQRPQHLMDGOMRHSFSAGPELLR 429  
Db 580 -RERQSGSRSPKPDITRRESRSESLSPRRTS-----REMKRSQPRVKDS--SPGEKRS 632  
Qy 430 QDKRRPGSGSSLSVSRDAEAQIOAMT 458  
Db 633 QSRRESRDQOR-----RERERTRKWS 656

RESULT 3  
US-10-372-209-16  
Sequence 16, Application US/10372209  
GENERAL INFORMATION:  
APPLICANT: Hitachi, Ltd.  
TITLE OF INVENTION: RBMS-INTERACTING PROTEINS AND USE THEREOF  
FILE REFERENCE: HITA.0169  
CURRENT APPLICATION NUMBER: US/10/372,209  
CURRENT FILING DATE: 2003-02-25  
PRIOR APPLICATION NUMBER: US 60/358,723  
PRIOR FILING DATE: 2002-02-25  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 16  
LENGTH: 872  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-372-209-16

Query Match 4.0%, Score 108.5; DB 6; Length 872;  
Best Local Similarity 19.4%, Pred. NO. 0.014;  
Matches 63; Conservative 46; Mismatches 118; Indels 97; Gaps 13;  
Qy 168 TNOETITAEQYKTVLFEDDERSTDSQSCSEDEDEFEETAQVSP-----RGEKR 219  
Db 259 SROEEMNSQ-----EEEMETDARSLSGOSASETEDIVYSKKKNNRRKKRKKKK 312  
Qy 220 QWRARMPLLSVQPVSNADWVLVYKRLKLCMELCNNTYIOMHLDENCMEEPPIFGDPFF 279  
Db 313 PQVR-----GVSSSSGD-----REKDSRSGSDSPADVEIEVTEPEIYEPNIF 362  
Qy 280 ILPSFQ-----BESTSTGSGSKETPSEDDSSQREHNGES 317  
Db 363 FKRIFEAFKLDVYKKEKPEKLDKLENSAARKKGFEEHNDSDSDDEQEK--- 419  
Qy 318 LSLAGGDLPLPSPVKEKDPSPKEMENAGNKITYMAADKTISKLMTYKKRQOH 377  
Db 420 -----KPAPLSKKKLRRMR-----FYAE-----LKQVARDVEMH 455  
Qy 378 NLSA-FPK---EYKVEKGEPL-----GPRGQDSPILQRPQHLMDG--QMRH 419  
Db 456 DVTADPKLVNHLKATRNSVYPRHMCFFKKYUQKGKIGIEKPPPELDFIKRTGIQMR 515  
Qy 420 SFSAGPE-----LLRODKRRSG 437  
Db 516 ALQKEQKTKMSKMKREKVRPKMG 539

RESULT 4  
US-10-273-573-10709  
Sequence 10709, Application US/10273573  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-066  
CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
NUMBER OF SEQ ID NOS: 10994





Db 271 GKSKPMLKQET-----SLACCLRLFRMYVDENRRDSWEIIQOALLTVCSEALA 322  
Qy 449 -----DAEAOIOAWTNMVLTVLNOIQILPDQTFALOPAVPCISOLTCHTDTRVROAV 503  
Db 323 YFIVNSESREHRENTSLILLTLTKTKINDEKFAHSMYPIYCEITQFOLIELRAVL 362  
Qy 504 REMUGRVGRVYDI 516  
Db 383 RKFFLRIGGVYKI 395

## RESULT 7

US-10-273-573-9457  
Sequence 9457, Application US/10273573  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-066  
CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
NUMBER OF SEQ ID NOS: 10994  
SOFTWARE: Custom  
SEQ ID NO 9457  
LENGTH: 1310  
TYPE: PR  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (538)..(550)  
OTHER INFORMATION: KH domain proteins family of RNA binding proteins domain  
OTHER INFORMATION: identified by EMATRIX, accession number PF00013, p-value=7.231e-1  
FEATURE:  
NAME/KEY: misc-feature  
LOCATION: (1)..(1310)  
OTHER INFORMATION: xaa - x or \* as defined in Table 2  
US-10-273-573-9457

Query Match 3.7%; Score 100; DB 6; Length 1310;  
Best Local Similarity 17.0%; Pred. No. 0.2;  
Matches 89; Conservative 82; Mismatches 185; Indels 166; Gaps 20;

Qy 23 NFDHAGSCOLI-----IELPPD-EKPN----- 43  
Db 457 NIDKFRHLHGSGANINRIKQDYKSVRIIPDSEKSNLRIEGDPGVQAKRELLEL 516  
Qy 44 GHTKSVSEFRIYVSLSHOVL-----LQNLVDILLEPVKPSGEKKT--QVPE 93  
Db 517 ASRMENERTKDLIEORFHRTIIGOKGERIREIDKPEVLIINFPDPAOKSDIYQLRGP 576  
Qy 94 AKLAGPLRYTISMONLAVIFDLIDSYTARFDTSPGKCLLKVSGIGGANIYRSAM 153  
Db 577 NEVKCKTRY--MQM--VADLVENSYSI-----SVPIFKOPHNKINIGGGA----- 618  
Qy 154 SFNIYFHALVCAVLNTOETITAEQVKVLFEDDERSTDSQOCSEDEDIFEETAOVSP 213  
Db 619 -----NIKKIRESNTRKIDLPANSNSERTII----- 645  
Qy 214 RGKRRKRRAMPPLSTVP-----VSNADWVWLYRLH-----KLCMELCNNTIQ 258  
Db 646 TGRKANCEARSRLSTOKDLANIAEVE--VSPAKLNSLIGTKRLIRLSIMECGG--VH 703  
Qy 259 MHLDLNCMEERPFIKGPFFILPSFSESESTPTGSGSKETPSSEDRSGRE--HNGE 316

Db 704 IHPEVSGSDTVVIRG-----PSSDVEKAKOLLHLAE 737  
Qy 317 SLSTKAGGDLPLPPSPKVEKDPSEKKEWMENAGNIYTMADKTSIKMTATEKKRQ 376  
Db 738 EKQTKSTVDI-----RAPEYKFLPGKGGGI--KVYDSTARVIFPAAEKQ 767  
Qy 377 HNISAFPEKVEKKEGPELGRGDSPLLRPHLMDQGMRSFSAGPELLRODKR-- 433  
Db 788 DLITIGKEDAVREAQLELELIONLDNVEDSLVPKHHRFVIRRGQVLEIAEY 847  
Qy 434 -----PRSGTSSLSVSVDAEAOIOAWTNMVLTVLNOIQ 469  
Db 848 GVMVSPFRSGT--QSDKVTLKGAQDVEAAKRIQIIEDE 887

## RESULT 8

US-10-273-573-8150  
Sequence 8150, Application US/10273573  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-066  
CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
NUMBER OF SEQ ID NOS: 10994  
SOFTWARE: Custom  
SEQ ID NO 8150  
LENGTH: 1372  
TYPE: PR  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (795)..(810)  
OTHER INFORMATION: WILM'S TUMOUR PROTEIN SIGNATURE domain identified by EMATRIX,  
OTHER INFORMATION: accession number PR00049D, p-value=7.500e-10, raw score of 0.0  
US-10-273-573-8150

Query Match 3.6%; Score 98; DB 6; Length 1372;  
Best Local Similarity 23.1%; Pred. No. 0.34;  
Matches 98; Conservative 52; Mismatches 152; Indels 122; Gaps 22;

Qy 176 EOVKVFLEDDERST--DSQOCSEDEDIFEETA-----QVSPRGKRRQWRAMP 227  
Db 859 ESVEEIFADVEDTETDQKTEDSSLOKFTTPSCWRPREKPRPLAKE-----NGRLPA 914  
Qy 228 L--SVQ-----PVSNADWVWLYKRLHLKLCMELCNNTIQ-----MHLDLNCMEERP 272  
Db 915 LEGTLPQOKRLPLVSAE-----AKELAEEMRAAREKSVKSOALRDAMAROLSR--MQMEL 969  
Qy 273 FKGPFFILPSFSESESTPTGSGSKETPSSEDRSGSRHMGESLSLKAGGDLILP- 331  
Db 970 ASG-----APPRKASSAPSGGKERPPSPPTPLRGSE--PTLHNEATSEVLSPPS 1021  
Qy 332 -----SPKVEKKDPSSKKKMMW--ENAGNIYTMADKTI 363  
Db 1022 DSGGPDSTFSSSESSGSKSRKSSLSFPRNNKKKKKGGGRPREKSSNLDEAAKPK 1081  
Qy 364 S--KMTETKRRKQOHNLSAFPEKVEKKEGPELGRG--ODS-----PLQRPQHL 411  
Db 1082 SLMKSVFSGYKKDKK-----KADKSCSPSPSGATVSGKRLVLPVVRARELOL 1131  
Qy 412 MDQGMHSHSAGELLROP-----KPRRSSTGS-----SLSVYRDA--E 451  
Db 1132 RQ-----LSFSESDSLSSDVLKSSQKSRREAGCCPYRGALMDMAISVLDGARRN 1187  
Qy 452 AQIOAWTNMVLTVLNOIQILPDQTFALOPAVF--PCISOLTCHTVDIRVAVREMLG 508  
Db 1188 SPQATITSL-----LPSQGRPLQTPRESVQORTYTEELNMLKTRRVQKARQAKQBELK 1243

QY 509 RWGR 512  
Db 1244 RLHR 1247

RESULT 9  
US-10-273-573-8152  
; Sequence 8152, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273,573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522,929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770,160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO 8152  
; LENGTH: 1377  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (795)..(810)  
; OTHER INFORMATION: WILM'S TUMOUR PROTEIN SIGNATURE domain identified by EMATRIX.  
; OTHER INFORMATION: accession number PR00049D, P-value=7.500e-10, raw score of 0.00  
US-10-273-573-8152

Query Match 3.6%; Score 98; DB 6; Length 1377;  
Best Local Similarity 23.1%; Pred. No. 0.34;

Matches 98; Conservative 52; Mismatches 152; Indels 122; Gaps 22;  
QY 176 EQYKVLFDDEKST-DSSQOCSEDEDIFFETEA-----QVSPRGKRGWRAMP 227  
Db 859 ESVEEIPFADVDVDTYDKTEDSLQKFTTPSCPRPREKRHPRLAKE-----NGRLRA 914  
QY 228 L-SVQ-----PVSADWVWLKRLHLCMELCNNTYQ-----MHLDLNCMEPRP 272  
Db 915 LLEOTLPPKRGRLPLVSAE-----AKELAEERMRAREKSVKSQLRDAMARQLSR-MQOMEL 969  
QY 273 FKGDPEFLPFSQESSTPGSGKETPSDEDDRSQREHMGESLSIKAGGDLPLP- 331  
Db 970 ASG-----APRPKASAPSQCKEKRRPDSPTPLTSGSE-PTLKHEATSEVLSPS 1021  
QY 332 -----SPRYEKKDPSRKKEW--ENAGNKITYMADKTI 363  
Db 1022 DSGPDGFTSSSGSGSKSKRSSLPSPRNKKKKSGGRPREKPSVLEEAAPK 1081  
QY 364 S---KLMTEYKKRKQOHNSAPFKVEKVEKGEPLPRG---ODS-----PLLRPQHL 411  
Db 1082 SLMKSVFSGYKKDKK-----KADDKSCPSPPSSGATVDSGKHRYLPVVRLELD 1131  
QY 412 MDGQGRHSFSAGPELLROD-----KRPGRSGTGS-----SLSVYRDA---E 451  
Db 1132 RRG-----LSFSESDLSDDVLEKSSQKSRRENGGCGCYRGLALMALASSVLDARRN 1187  
QY 452 AQLQANTNVLTVLNOIQLPDQFTALOPAVF--PCISQLTCHVTDIRVQAVEMWG 508  
Db 1188 SFGQATTSL-----LPGGQRLPLQTPESVQPRVTEELNAKLRLRYQKARQAKQDELK 1243  
QY 509 RWGR 512  
Db 1244 RLHR 1247

RESULT 10  
US-10-374-979-93  
; Sequence 93, Application US/10374979  
; GENERAL INFORMATION:  
; APPLICANT: John P. Carulli et al.

; TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3  
; FILE REFERENCE: 032796-021  
; CURRENT APPLICATION NUMBER: US/10/374,979  
; CURRENT FILING DATE: 2003-03-04  
; PRIOR APPLICATION NUMBER: US 09/544,398  
; PRIOR FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 09/543,771  
; PRIOR FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 09/229,319  
; PRIOR FILING DATE: 1999-01-13  
; PRIOR APPLICATION NUMBER: US 60/071,449  
; PRIOR FILING DATE: 1998-01-13  
; PRIOR APPLICATION NUMBER: US 60/105,511  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 109  
; SEQ ID NO 93  
; LENGTH: 914  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-374-979-93

Query Match 3.6%; Score 96; DB 6; Length 914;  
Best Local Similarity 18.4%; Pred. No. 0.28;

Matches 100; Conservative 69; Mismatches 194; Indels 180; Gaps 22;

QY 59 LLSHVLNLNLYDLLEEFYKGPSGEKTIQVPEAKLAGF-----LRYISQNL 109  
Db 211 LLOAGSFDELYVAOEVROG-----EKFLQ-----PLGWEAEELDPGAFRLALRAQI 261  
QY 110 VFEDLLDSYRTAREEDTSPGLCKLKYSGIGGANLYROSMSFNIFYHALCAVLTN 169  
Db 262 TEFS-----RALAQROGLADARL-----FQLPREALT----- 290  
QY 170 QETTLAEQYKVLFE-DDEKSTDSQOCSEDEDIFFETEAQVSPPRGKEKRWAMP 228  
Db 291 ---MAEGRVLALEOEPRGVVLOLO-----LHWTRNPLRPANFRKMMALATGIG 340  
QY 229 SVQPSNADWVWLKRLHLCMELCNNTYQMHLDLNCMEPRPFGGDPEFLPFSQES 288  
Db 341 SEAIRQECRWAW-----ARQOD--TWLALDOKLRSLSKLPV----- 375  
QY 289 STPGSGSGKETPSDEDDRSQRE-----HMGESLS-----LKAGG 325  
Db 376 -GSTASLCVQVPARAPRPLKAYSFDRLNGQSLSERACHNAATTAACRRPAGG 433  
QY 326 DL--LLPSPKVEKKDPSRKKEWENAGNKITYMADKTI SKLMTYKKRKQOHNSAP 383  
Db 434 ALPQASPTVPSPSSDP-----RSLNRLQVLVAEMVATE--REYVRLALETYMEVYF 483  
QY 384 KEYKVEKKGEPLGRPGODSPILORQHLMD-----QGOMHSFS 422  
Db 484 ---ELDRPDVPOGLRQORHLFGNLKLRDFHCFPLRELEACTRPPRYAVAFRLHRVO 540  
QY 423 AGPELLRODKRPSGSGTSL--VSVRDAEQIQTANTNVLTVLNOIQL----- 471  
Db 541 FGMVALYSKNNKPRSDALMSYGHTEFFKQOALGDHLDASLYLKTIQRYKXALLQEL 600  
QY 472 -----PDQFTALOPAVFPCISQLTCHVTDIRVQAVR-----EWLGR 509  
Db 601 ARACGSPTELSALREAQSLVHPLRL-HGNDLAMDALIOGDVNLKEQOLVRQDBFYVR 659  
QY 510 VGR 512  
Db 660 TGR 662

RESULT 11  
US-10-273-573-9039  
; Sequence 9039, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066

CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
PRIOR FILING DATE: 2001-01-26  
NUMBER OF SEQ ID NOS: 10994  
SOFTWARE: custom  
SEQ ID NO 9039  
LENGTH: 2207  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (784)..(832)  
OTHER INFORMATION: intermediate filaments proteins domain identified by eMATRIX,  
OTHER INFORMATION: accession number BL002265b, p-value=7.802e-09, raw score of 23.86  
FEATURE:  
NAME/KEY: misc-feature  
LOCATION: (1)..(2207)  
OTHER INFORMATION: Xaa - X or \* as defined in Table 2  
US-10-273-9039

Query Match 3.6%; Score 96; DB 6; Length 2207;

Best Local Similarity 20.3%; Pred. No. 1.2; Mismatches 144; Indels 90; Gaps 15;

Matches 75; Conservative 61; Mismatches 144; Indels 90; Gaps 15;

QY 161 ALVCAVLNQ--ETTAQ--VKVLFEDDERSTSSQCCSEDEDIFEEETAQVSPRG 215  
DB 1361 ALVSELLPAKHLCQQLAQEAQAAKRRHELEQSKQAAGLRALLRAQRELGLILRQ 1420  
QY 216 KERQWARRMPLSVQVSNADWVLYKRLKLCME-----LCNNYQMLD-L 263  
DB 1421 KVADEKTAQO-LKRAKSYAEQSLMKRAHGLAEENRGLGERANRGRQLEVELDQAR 1479  
QY 264 ENCEEPPIFGDPFFILPSPQSESTPS-----TGGESEKTPSEDDRSQREH--- 313  
DB 1480 EKYQELAAVADAEFTLAELVQREASTARLEVTAKYEAKKYLEERQRFQEEKOKL 1539  
QY 314 -MGESLSLRAGGDLPLPSPKYEKK-----DPSRKKEMWENAGNKIYTMADK 361  
DB 1540 TAVVEELSKLADSD---QASKVQOQKLKAVQAQGESQDEAQRQAQINELQAQLSQK 1595  
QY 362 -----TISKMETEYKKRKKOH-----NLSAPKPEVK-VKKGEPLRGQDSP 403  
DB 1596 EQAAEHKRLQWEKKKTHYDAKKQONQELQELRSLQELQENKELRAEERLG----- 1648  
QY 404 LIAPOHLMQGGQMRHSFSAGPELLRODKRPSGSTSSLSVSRDAEQIOWTNMVL 463  
DB 1649 -----HELQAGL-----KTKAEQOTCRHLTLAQRSLSEAY-AHADQOLR 1687  
QY 464 VLANDIQLPD 473  
DB 1688 DLGKFQVATD 1697

RESULT 12

PCT-US02-18638A-113  
Sequence 113, Application PC/TUS0218638A  
GENERAL INFORMATION:  
APPLICANT: Millennium Pharmaceuticals, Inc. et al.  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
FILE REFERENCE: MRI-035PC  
CURRENT APPLICATION NUMBER: PCT/US02/18638A  
CURRENT FILING DATE: 2002-06-12  
PRIOR APPLICATION NUMBER: US 60/298,159  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/298,155  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/335,936  
PRIOR FILING DATE: 2001-11-14

NUMBER OF SEQ ID NOS: 238  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 113  
LENGTH: 1713  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US02-18638A-113

Query Match 3.5%; Score 95.5; DB 1; Length 1713;

Best Local Similarity 19.4%; Pred. No. 0.87; Mismatches 207; Indels 169; Gaps 28;

Matches 111; Conservative 84; Mismatches 207; Indels 169; Gaps 28;

QY 36 LPDEKPNHTKKSVSFRREIVS--LISHOVLLQNLVDILLEEFVK-GSPGEEKTIQVP 92  
DB 1165 LPDPTD---HLQASFGEQTFQPSGILLDHTWNLQVLEDEGYIELSTDSGGPIRKP 1220  
QY 93 EAKLAGLRYSQMNLAVIDLLDSTRTRAREPTSGLCCL-----KYSQIGGA 144  
DB 1221 QTYMDGLLHYVS-----VISD-----NSGLRLDDQLRNSKRRLKHTSSS 1261  
QY 145 ANLYROSAMSP-----NIFYHALVCAVLNQETITADQVKK-----VLFE 184  
DB 1262 RQSLRLGGSNFGCISNVFVQRL--SLSPVLDLTSNLSKRDVSLGSCSLNKPPEMLLK 1319  
QY 185 DDERSTSSQCCSEDEDIFEEETAQVSPRGKEKRRMR-ARMPILSVQ-----P 232  
DB 1320 G---STRENNKTFPRINQLDPTPVASP---RSYKVVQDACSPLPKTQANHGAQFGDIP 1373  
QY 233 VSNADWVLYKRLKLCMELCNNYIQMLDLENCEEPPIF-KGDPFFILPSPQSESTP 291  
DB 1374 TSHL-----LFKLQELKPRSPFAVDQTTSSGVLVFNHTKNSPMALYSKGRV 1425  
QY 292 STGFSKETEPESEDDRSQRE-----HMGESLSLRAGGDLPLPSPKYEKK 338  
DB 1426 FALGTGDKKL-----RIKSKKCKNDGKMHVVFCHDEK-----GRLVV----- 1464  
QY 339 DPSRKKEMWENAGNKIYTMADKTIKLMTEYKKRKKOHLSAPKPEVKYEKKG--EPLG 386  
DB 1465 DGLRARE-GSLPQSTISIRPVLVYLSGPPGKPSLPTNSFVCGLNKQFOLDSRPLYTPSS 1523  
QY 397 PRGQDSP---LQPOHLMQGG--QMRHSFSAGPEL-LRODKRPR----- 435  
DB 1524 SFGVSSCLGPLENGITFSEGGHIVLAHSLVLCPEKRYFSIRPSRLTGILHIGSQPG 1583  
QY 436 -----SGTSSLSVSRDAEQIOWTNMVLVNLQI--QILPDQT 475  
DB 1584 KHLGVYLEAGKVTASMDSCAGGTSTVTPKQSLCDGQ-WHSVAVTIKQIHILHIELDSS 1642  
QY 476 FTALQPAVFCISQLTCH-----VTDIRV 499  
DB 1643 YTAGQIPFPASTQEPHLGGAAPANLTLTRI 1673

RESULT 13

US-60-478-3200  
Sequence 3200, Application US/60478196  
GENERAL INFORMATION:  
APPLICANT: Jiang, Bo  
APPLICANT: Lemieux, Sebastien  
APPLICANT: Hu, Mengqi  
APPLICANT: Roemer, Terry  
TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF ASPERGILLUS FUMIGATUS AND  
FILE REFERENCE: 10182-026-888  
CURRENT APPLICATION NUMBER: US/60/478,196  
CURRENT FILING DATE: 2003-06-13  
NUMBER OF SEQ ID NOS: 4000  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3200  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Aspergillus fumigatus  
US-60-478-3200

Query Match	3.58;	Score 95;	DB 6;	Length 464;
Best Local Similarity	21.88;	Pred. No. 0.12;		
Matches	86;	Conservative	70;	Mismatches 155;
			Indels	84;
			Gaps	22;

D6	:   :    :	:	:	:
490	-SESNEENLADMLENVM-----	KRXNLQVTRKIMEEKETGYKKAEDSDSD	542	
QY	405 -LQRQHLMDCQMHRSPSAGPELLRQDKRPSSGT-----	GSSLSTSVYRDAAEQAM	457	

```
Db      543 NIKRGKHM-----DPLSDEEMLOKKSMGKRRRRNDGTFIS---DADDVYSA- 589
QY      458 TNNVLTVLNQIOILPDQTFALQPAVFPICISQLTCHVTDIRVROAVREML 507
Db      590 ---MIVKMNEMEAEDLKETF-----IDSGVMSAIIKEML 618
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Search completed: July 25, 2003, 17:08:41  
Job time : 17.41 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:47:13 ; Search time 3.66179 Seconds

(without alignments)  
473.743 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216

Sequence: 1 EDDERSTDSQCCSEDEDI.....ETNAQVSPRCKEKQMRAR 41

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCRTS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	216	100.0	41	4	US-09-065-383-28
2	216	100.0	518	4	US-09-065-383-27
3	63	29.2	714	2	US-08-990-114-3
4	63	29.2	714	4	US-09-241-333-3
5	59	27.3	923	4	US-09-252-991A-28964
6	58.5	27.1	566	4	US-09-996-243-41
7	57	26.4	667	3	US-09-303-064-55
8	57	26.4	667	4	US-09-086-503-55
9	56	25.9	421	3	US-08-132-649-6
10	56	25.9	421	3	US-08-767-579-6
11	55	25.9	522	4	US-09-232-160-23
12	55.5	25.7	418	1	US-08-615-170-16
13	55	25.5	180	4	US-08-630-915A-196
14	55	25.5	411	2	US-08-741-134-6
15	54	25.0	226	2	US-08-431-080-26
16	54	25.0	226	2	US-08-938-534-26
17	54	25.0	226	4	US-09-345-294-26
18	54	25.0	1085	1	US-08-431-080-28
19	54	25.0	1085	4	US-08-938-534-28
20	54	25.0	1085	4	US-09-345-294-28
21	54	25.0	2414	5	US-08-227-536-2
22	54	25.0	2414	5	PCT-US95-04682-2
23	53	24.5	441	4	US-09-254-776B-79
24	52.5	24.3	193	2	US-08-679-765-3
25	52.5	24.3	193	2	US-09-196-525-3
26	52.5	24.3	193	3	US-09-318-317-3
27	52	24.1	710	4	US-09-079-812E-2

28	51.5	23.8	152	4	US-08-504-617-5	Sequence 5, Appl1
29	51.5	23.8	611	3	US-09-370-807-2	Sequence 2, Appl1
30	51.5	23.8	611	4	US-09-921-258-2	Sequence 2, Appl1
31	51.5	23.8	826	4	US-09-894-998A-47	Sequence 47, Appl1
32	51.5	23.8	2476	2	US-08-276-967-2	Sequence 2, Appl1
33	51	23.6	262	4	US-09-134-001C-3237	Sequence 3237, Ap
34	51	23.6	486	4	US-09-252-991A-17543	Sequence 17543, A
35	51	23.6	630	4	US-09-328-352-4238	Sequence 4238, Ap
36	50.5	23.4	392	3	US-08-301-162-2	Sequence 2, Appl1
37	50.5	23.4	392	4	US-09-461-240-2	Sequence 2, Appl1
38	50.5	23.4	392	4	US-09-968-927-2	Sequence 2, Appl1
39	50.5	23.4	426	1	US-08-615-170-6	Sequence 6, Appl1
40	50.5	23.4	426	1	US-08-615-170-15	Sequence 15, Appl
41	50.5	23.4	428	3	US-08-301-162-18	Sequence 18, Appl
42	50.5	23.4	428	4	US-09-461-240-18	Sequence 18, Appl
43	50.5	23.4	428	4	US-09-968-927-18	Sequence 18, Appl
44	50.5	23.4	816	1	US-08-190-802A-54	Sequence 54, Appl
45	50.5	23.4	816	3	US-08-477-346-54	Sequence 54, Appl

#### ALIGNMENTS

RESULT 1  
US-09-065-383-28  
Sequence 28, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 28:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 41 amino acids

APPLICANT: Bandman, Olga  
APPLICANT: Yue, Henry  
APPLICANT: Corley, Neil C.



[illegible]

	Best Local Similarity	33.3%	Pred. No. 13;
	Matches	11; Conservative	10; Mismatches
			12; Indels
			Gaps
			0;
Oy	4	ERSTDSSQOCSEDEDFEETPAQVSPGPKREKR	36
		:!:::!!::!:::!: !::!!!::!:	
Dd	795	QRQDAQAQQKNGENKEORRNSQSPPSGSSGR	827

RESULT 6  
US-09-996-243-41  
Sequence 41, Application US/09996243  
Patent No. 6478825  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C13  
CURRENT APPLICATION NUMBER: US/09/996.243  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025

Query Match	27.1%;	Score 58.5;	DB 4;	Length 566;
Best Local Similarity	29.8%;	Pred. No. 8.5;		
Matches 14;	Conservative 13;	Mismatches 9;	Indels 11;	Gaps 2

QY 1 EDDERS-----IDSSQCCSSEDEDIETEAQVSPFGKEKRRMAR 41  
||:| |::|::|:| | |::| | |  
139 EDEHNSNDSDGSEPEKTRLEELIYEQTM-----RRQRREWEAR 180  
Db

```
RESULT 7
US-09-303-064-55
; Sequence 55, Application US/09303064
; Patent No. 6221619
; GENERAL INFORMATION:
; APPLICANT: MAINE, Gregory T.
; APPLICANT: HUNT, Jeffery C.
; APPLICANT: BROJANAC, Susan
; APPLICANT: JYH-TSING SHEU, Michael
; APPLICANT: CHOYAN, Linda E.
; APPLICANT: TYNER, Joan D.
; APPLICANT: HOWARD, Lawrence V.
; APPLICANT: PARMELEY, Stephen F.
; APPLICANT: REMINGTON, Jack S.
; APPLICANT: ARAUJO, Fausto
; APPLICANT: SUZUKI, Yasuhito
; APPLICANT: LI, Shuli
; TITLE OF INVENTION: ANTIGEN COCKTAILS, P35 AND USES THEREOF
; FILE REFERENCE: 6361.US.P1
; CURRENT APPLICATION NUMBER: US/09/303,064
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 09/086,503
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 55
; LENGTH: 667
; TYPE: PRT
; ORGANISM: Toxoplasma gondii
US-09-303-064-55
```

```
Query Match          26.4% Score 57; DB 3; Length 667;
Best Local Similarity 38.9%; Pred. No. 16;
Matches 14; Conservative 4; Mismatches 18; Indels 0; Gaps 0;
```

```
QY 1 EDDERSTDSOCCSSEDEDIFFEETAOVSPRGEKR 36
| : | | : | | : | | : | | : | | : | |
DB 265 EGGGTSTTESASENSED DDTFHDALQELPDEGLEVR 300

RESULT 8
US-09-086-503-55
; Sequence 55, Application US/09086503A
; Patent No. 6329157
; GENERAL INFORMATION:
; APPLICANT: MAINE, Gregory T.
; APPLICANT: HUNT, Jeffery C.
; APPLICANT: BROJANAC, Susan
; APPLICANT: JYH-TSING SHEU, Michael
; APPLICANT: CHOYAN, Linda E.
; APPLICANT: TYNER, Joan D.
; APPLICANT: HOWARD, Lawrence V.
; TITLE OF INVENTION: ANTIGEN COCKTAILS AND USES THEREOF
; FILE REFERENCE: 6361.US.01
; CURRENT APPLICATION NUMBER: US/09/086,503A
; CURRENT FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 55
; LENGTH: 667
; TYPE: PRT
; ORGANISM: Toxoplasma gondii
US-09-086-503-55
```

```
Query Match          26.4% Score 57; DB 4; Length 667;
Best Local Similarity 38.9%; Pred. No. 16;
Matches 14; Conservative 4; Mismatches 18; Indels 0; Gaps 0;
```

```
QY 1 EDDERSTDSOCCSSEDEDIFFEETAOVSPRGEKR 36
| : | | : | | : | | : | | : | | : | |
DB 265 EGGGTSTTESASENSED DDTFHDALQELPDEGLEVR 300
```

```
RESULT 9
US-08-132-649-6
; Sequence 6, Application US/08132649
; Patent No. 5585462
; GENERAL INFORMATION:
; APPLICANT: Londres, Constantine
; APPLICANT: Greenberg, Andrew S.
; APPLICANT: Kimmel, Alan R.
; APPLICANT: Egan, John J.
; TITLE OF INVENTION: CLONING OF PERILIPIN PROTEINS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourile and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/132,649
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Garrett-Mackowski, Eugenia
; REGISTRATION NUMBER: 37,330
; REFERENCE/DOCKET NUMBER: 15280-145-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 421 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-132-649-6
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```
Query Match          25.9% Score 56; DB 1; Length 421;
Best Local Similarity 34.2%; Pred. No. 13;
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;
```

```
QY 1 EDDERSTDSOCCSSEDEDI-----FEETAOVSPRPG 32
| | | | : | | : | | : | | : | | : | |
DB 298 EDHEDDTGEGDTEEBEELFTENKFSVALPGRG 335

RESULT 10
US-08-767-579-6
; Sequence 6, Application US/08767579
; Patent No. 6074842
; GENERAL INFORMATION:
; APPLICANT: Londres, Constantine
; APPLICANT: Greenberg, Andrew S.
; APPLICANT: Kimmel, Alan R.
; APPLICANT: Egan, John J.
; TITLE OF INVENTION: CLONING OF PERILIPIN PROTEINS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourile and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/767,579  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Garrett-Wackowski, Eugenia  
REGISTRATION NUMBER: 37,330  
REFERENCE/DOCKET NUMBER: 15280-145-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 543-9600  
TELEFAX: (415) 543-5043  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 421 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-767-579-6

Query Match 25.9%; Score 56; DB 3; Length 421;  
Best Local Similarity 34.2%; Pred. No. 13;  
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;

OY 1 EDDERSTDSSQCCSSEDEDI-----FEETAQVSPPRG 32  
Db 298 EDHEDQDTDEGEDTEEEBELETKENKSEVALALPGPRG 335

RESULT 11  
US-09-232-160-23  
Sequence 23, Application US/09232160  
Patent No. 6368794  
GENERAL INFORMATION:  
APPLICANT: Steve Daniel  
APPLICANT: James Gilmore  
APPLICANT: Susan G. Stuart  
APPLICANT: Laura Stuve  
TITLE OF INVENTION: DETECTION OF ALTERED EXPRESSION OF GENES REGULATING CELL  
TITLE OF INVENTION: POLYMERIZATION  
FILE REFERENCE: PA-0003 US  
CURRENT APPLICATION NUMBER: US/09/232,160  
CURRENT FILING DATE: 1999-01-15  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PERL Program  
SEQ ID NO 23  
LENGTH: 522  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: 3688209  
US-09-232-160-23

Query Match 25.9%; Score 56; DB 4; Length 522;  
Best Local Similarity 34.2%; Pred. No. 17;  
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;

OY 1 EDDERSTDSSQCCSSEDEDI-----FEETAQVSPPRG 32  
Db 293 EDHEDQDTDEGEDTEEEBELETKENKSEVALALPGPRG 330

RESULT 12  
US-08-615-170-16  
Sequence 16, Application US/08615170  
Patent No. 5776776  
GENERAL INFORMATION:  
APPLICANT: ORDAHL, Charles P.  
APPLICANT: AZARIE, Anthony  
APPLICANT: MAR, Janet H.  
APPLICANT: FARRANCE, Iain K.G.  
APPLICANT: HALL, Deborah E.

APPLICANT: STEWART, Alexandre F.R.  
APPLICANT: LARKIN, Sarah B.  
TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESS: Townsend and Townsend Kourlie and Crew  
STREET: Steuart Street Tower, One Market Plaza  
CITY: San Francisco  
STATE: California  
COUNTRY: US  
ZIP: 94105-1493  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
\* CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/615,170  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/01526  
FILING DATE: 06-FEB-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/191,493  
FILING DATE: 04-FEB-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Heslin, James M.  
REGISTRATION NUMBER: 29,541  
REFERENCE/DOCKET NUMBER: 23070-053120  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 418 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-615-170-16

Query Match 25.7%; Score 55.5; DB 1; Length 418;  
Best Local Similarity 31.8%; Pred. No. 15;  
Matches 14; Conservative 6; Mismatches 15; Indels 9; Gaps 1;

OY 1 EDDERSTDSSQCCSSEDEDI-----EDIEETAQVSPPRGK 35  
Db 14 EDIERMSDSADKPIDNDAEGVWSPDIROSFOELALAIYPCGRK 57

RESULT 13  
US-08-630-915A-196  
Sequence 196, Application US/08630915A  
Patent No. 6309820  
GENERAL INFORMATION:  
APPLICANT: SPARKS, Andrew B.  
APPLICANT: HOPFMAN, No. 6309820H  
APPLICANT: KAY, Brian K.  
APPLICANT: FOWLES, Dana M.  
APPLICANT: MCCONNELL, Stephen J.  
TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL  
TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
TITLE OF INVENTION: USING SAME  
NUMBER OF SEQUENCES: 227  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennile & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA

ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/630,915A  
FILING DATE: 03-APR-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 1101-174  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 196:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 180 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-630-915A-196

Query Match 25.5%; Score 55; DB 4; Length 180;  
Best Local Similarity 28.2%; Pred. No. 6.6;  
Matches 11; Conservative 10; Mismatches 18; Indels 0; Gaps 0;

QY 2 DDERSTDSQCCSDEDEDFEETAQVSPRGKERNQWRA 40  
DB 114 EEBCGSESESGSEDEVDVETADGAEVKORTDPHWSA 152

RESULT 14  
US-08-741-134-6  
Sequence 6, Application US/08741134  
Patent No. 5861498  
GENERAL INFORMATION:  
APPLICANT: Litwack, Gerald  
APPLICANT: Alnemrl, Emad S.  
APPLICANT: Fernandes-Alnemrl, Teresa  
TITLE OF INVENTION: IMMUNOPHILIN FKBP46 AND COMPOSITIONS FOR MAKING  
TITLE OF INVENTION: AND  
NUMBER OF SEQUENCES: 6  
METHODS OF USING THE SAME  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5861498rls  
STREET: One Liberty Place - 46th floor  
CITY: Philadelphia  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows 3.11  
SOFTWARE: Wordperfect for Windows 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/741,134  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/007,163  
FILING DATE: 01-NOV-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-2090  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 411 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-741-134-6

Query Match 25.5%; Score 55; DB 2; Length 411;  
Best Local Similarity 29.7%; Pred. No. 17;  
Matches 11; Conservative 9; Mismatches 15; Indels 2; Gaps 1;

QY 1 EDDERSTDSQCCSDEDEDFEETAQVSPRGKERNQ 37  
DB 221 EDEEDNDGEDEEOEEEE--BQKEVKPEPKRSKE 255

RESULT 15  
US-08-431-080-26  
Sequence 26, Application US/08431080  
Patent No. 5698686  
GENERAL INFORMATION:  
APPLICANT: Gottschling, Daniel E.  
APPLICANT: Singer, Miriam S.  
TITLE OF INVENTION: Telomerase Compositions and Methods  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: TEXAS  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/431,080  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: SN 08/326,781  
FILING DATE: October 20, 1994  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Parker, David L.  
REGISTRATION NUMBER: 32,165  
REFERENCE/DOCKET NUMBER: ARCD:155/PAR  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000  
TELEFAX: (713) 789-2679  
TELEX: 79-0924  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 226 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-431-080-26

Query Match 25.0%; Score 54; DB 1; Length 226;  
Best Local Similarity 35.7%; Pred. No. 12;  
Matches 15; Conservative 8; Mismatches 11; Indels 8; Gaps 2;

QY 1 EDDERSTDSQCCSDEDEDFEETAQVSPRGKERNQ 40  
DB 146 DDDGSDSDSETSDENIDFVKLTAQ-----RKRRAMKA 181

Mon Jul 28 08:56:35 2003

us-09-991-681-28.ra1

Page 8

Search completed: July 25, 2003, 17:08:15  
Job time : 4.66179 secs

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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:43 ; Search time 6.60322 Seconds

(Without alignments)  
737.390 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications\_AA:\*

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3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
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15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	63	29.2	714	9 US-09-978-242-3	Sequence 3, Appl1
2	62.5	28.9	376	15 US-10-156-761-9888	Sequence 9888, Ap
3	62	28.7	268	9 US-09-864-761-33475	Sequence 33475, A
4	62	28.7	2799	14 US-10-151-736-4	Sequence 4, Appl1
5	60.5	28.0	512	15 US-10-121-988-156	Sequence 156, App
6	59	27.3	957	9 US-09-801-574-80	Sequence 80, Appl
7	58.5	27.1	566	9 US-09-989-722-41	Sequence 41, Appl
8	58.5	27.1	566	9 US-09-989-723-41	Sequence 41, Appl
9	58.5	27.1	566	9 US-09-989-727-41	Sequence 41, Appl
10	58.5	27.1	566	9 US-09-989-727-41	Sequence 41, Appl
11	58.5	27.1	566	10 US-09-989-731-41	Sequence 41, Appl
12	58.5	27.1	566	10 US-09-989-732-41	Sequence 41, Appl
13	58.5	27.1	566	10 US-09-991-073-41	Sequence 41, Appl
14	58.5	27.1	566	10 US-09-990-442-41	Sequence 41, Appl
15	58.5	27.1	566	10 US-09-991-163-41	Sequence 41, Appl

16	58.5	27.1	566	10 US-09-993-604-41	Sequence 41, Appl
17	58.5	27.1	566	10 US-09-990-456-41	Sequence 41, Appl
18	58.5	27.1	566	10 US-09-989-721-41	Sequence 41, Appl
19	58.5	27.1	566	10 US-09-992-558-41	Sequence 41, Appl
20	58.5	27.1	566	10 US-09-989-293A-41	Sequence 41, Appl
21	58.5	27.1	566	10 US-09-989-735-41	Sequence 41, Appl
22	58.5	27.1	566	10 US-09-990-444-41	Sequence 41, Appl
23	58.5	27.1	566	10 US-09-991-181-41	Sequence 41, Appl
24	58.5	27.1	566	10 US-09-988-720-41	Sequence 41, Appl
25	58.5	27.1	566	10 US-09-990-436-41	Sequence 41, Appl
26	58.5	27.1	566	10 US-09-993-687-41	Sequence 41, Appl
27	58.5	27.1	566	11 US-09-989-734-41	Sequence 41, Appl
28	58.5	27.1	566	11 US-09-997-653-41	Sequence 41, Appl
29	58.5	27.1	566	11 US-09-993-667-41	Sequence 41, Appl
30	58.5	27.1	566	11 US-09-997-428-41	Sequence 41, Appl
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32	58.5	27.1	566	11 US-09-990-438-41	Sequence 41, Appl
33	58.5	27.1	566	11 US-09-990-562-41	Sequence 41, Appl
34	58.5	27.1	566	11 US-09-990-711-41	Sequence 41, Appl
35	58.5	27.1	566	11 US-09-989-726-41	Sequence 41, Appl
36	58.5	27.1	566	11 US-09-998-156-41	Sequence 41, Appl
37	58.5	27.1	566	11 US-09-990-437-41	Sequence 41, Appl
38	58.5	27.1	566	11 US-09-991-157-41	Sequence 41, Appl
39	58.5	27.1	566	11 US-09-997-514-41	Sequence 41, Appl
40	58.5	27.1	566	11 US-09-997-573-41	Sequence 41, Appl
41	58.5	27.1	566	11 US-09-991-172-41	Sequence 41, Appl
42	58.5	27.1	566	11 US-09-990-726-41	Sequence 41, Appl
43	58.5	27.1	566	11 US-09-997-559-41	Sequence 41, Appl
44	58.5	27.1	566	11 US-09-997-601-41	Sequence 41, Appl
45	58.5	27.1	566	11 US-09-990-443-41	Sequence 41, Appl

## ALIGNMENTS

RESULT 1  
US-09-978-242-3  
Sequence 3, Application US/0978242  
Patent No. US20020098566A1  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
Yue, Henry  
Corley, Neil C.  
Shah, Purvi  
TITLE OF INVENTION: HUMAN NUCLEOLIN-LIKE PROTEIN  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESSES:  
ADDRESSER: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/978,242  
FILING DATE: 15-Oct-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/241,333  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/990,114  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0451 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555

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? PRIOR APPLICATION NUMBER: US 60/180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/632,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263.6
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
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? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00668
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? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-30
? PRIOR APPLICATION NUMBER: US 09/774,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
? SEQ ID NO 33475
? LENGTH: 268
? TYPE: prt
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: MAP TO AF118808.1
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.87
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
? OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
? OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94
? OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 6.3
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.74
? OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 4.1
? OTHER INFORMATION: EST_HUMAN HIT: BE25973.1, EVALUE 5.00e-83
? OTHER INFORMATION: SWISSPROT HIT: P49910, EVALUE 7.00e-38
? OS-09-864-761-33475

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Best Local Similarity 43.8%; Pred. No. 7.8;
Matches 14; Conservative 6; Mismatches 10; Indels 2; Gaps 11.1%

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Db       17 SQRKSEDHVRNRFRETEEMSKTGLENCR 48

RESULT 4
US-10-151-736-4
? Sequence 4, Application US/10151736
? Publication No. US20020192160A1
? APPLICANT: Callaghan, Michelle J.
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; APPLICANT: Sutherland, Lindfield
; APPLICANT: Watts, Colin K.
; TITLE OF INVENTION: NO. US20020192160A1el Human Tumour Suppressor Gene
; FILE REFERENCE: RICE-010CON
; CURRENT APPLICATION NUMBER: US/10/151,736
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/403,402
; PRIOR FILING DATE: 1999-10-21
; PRIOR APPLICATION NUMBER: PCT/AU98/00280
; PRIOR FILING DATE: 1998-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 2799
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-151-736-4

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Matches 17; Conservative 6; Mismatches 18; Indels 16; Gaps 2;

QY 1 EDDERSTDS--SQCCSSEDEDFEETAOVSP-----RGEKRRRAR 41
DB 1663 EDDSSNDSSDSSSSSDIEOFTFMLEDELTNTSSHANGAAQAPRSMQMAVR 1719

RESULT 5
US-10-121-988-156
; Sequence 156, Application US/10121988
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; APPLICANT: Mossman, Sally P.
; APPLICANT: Evans, Lawrence S.
; APPLICANT: Swanson, Ryan M.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.538C1
; CURRENT APPLICATION NUMBER: US/10/121,988
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156
; LENGTH: 512
; TYPE: PRT
; ORGANISM: HSV2
US-10-121-988-156

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Matches 14; Conservative 7; Mismatches 13; Indels 7; Gaps 1;

QY 3 DERSTDSQCCSSEDEDFE-----ETAOVSPRGRKRR 36
DB 34 DDPESDSSGECSSDEDMEDPCGCGAEXIDAIRPGPAR 74

RESULT 6
US-09-801-574-80
; Sequence 80, Application US/09801574
; GENERAL INFORMATION:
; APPLICANT: Wang, Peijiang Jeremy
; APPLICANT: Page, David C.
; TITLE OF INVENTION: Reproduction-Specific Genes
; FILE REFERENCE: 0399.2007-002
; CURRENT APPLICATION NUMBER: US/09/801,574
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: 60/187,518
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; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/261,557
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 957
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-801-574-80

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Best Local Similarity 31.6%; Score 59; DB 9; Length 957;
Matches 12; Conservative 7; Mismatches 19; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSSEDEDFEETAOVSPRGRKRR 38
DB 836 ETDKRKEDSSMLSKETEDLGEDTERAHSTLDEDERW 873

RESULT 7
US-09-989-722-41
; Sequence 41, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottfred, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
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PRIOR APPLICATION NUMBER:	60/0898801
PRIOR FILING DATE:	1998-06-18
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PRIOR FILING DATE:	1998-07-02
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PRIOR FILING DATE:	1998-07-02
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PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/091982
PRIOR FILING DATE:	1998-07-07

;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 9; Length 566;  
Best Local Similarity 29.8%; Pred. No. 45;  
Matches 14; Conservative 13; Mismatches 9; Indels 11; Caps 2;

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DB 139 EDEHSGNDSGSEPEKRRLEETVEOTM-----RRQRRREWAR 180

# RESULT 8

US-09-989-723-41  
Sequence 41, Application US/09989723  
Patent No. US20020072092A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerltzen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C62  
CURRENT APPLICATION NUMBER: US/09/989,723  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
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 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/092182  
 PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 10; Length 566;  
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 Sequence 41, Application US/09989732  
 Patent No. US20020123463A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gottfredsen, Mary E.  
 APPLICANT: Goddard, Audrey



APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavio, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Thomas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C57  
CURRENT APPLICATION NUMBER: US/09/989,732  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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Query Match 27.1% Score 58.5; DB 10; Length 566;  
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RESULT 13  
US-09-991-073-41  
Sequence 41, Application US/09991073  
Patent No. US2002012756A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Bolstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
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APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C15  
CURRENT APPLICATION NUMBER: US/09/991.073  
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Query Match 27.1%; Score 58.5; DB 10; Length 566;  
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 Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

QY 1 EDDERS-----TSSQCCSEDEDI FEETAOVSPRGKEKRWAR 41  
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 RESULT 14  
 US-09-990-442-41  
 ; Sequence 41, Application US/09990442  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnovers, Luc  
 ; APPLICANT: Eaton, Dan L.  
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 ; APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: ACIDS Encoding the Same  
FILE REFERENCE: P2730P1C8  
CURRENT APPLICATION NUMBER: US/09/990.442  
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PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 10; Length 566;  
Best Local Similarity 29.8%; Pred. No. 45;  
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

QY 1 EDDSS-----TDSQCCSSSEDDIIFEEETAQVSPRCKEKQWRAR 41  
DB 139 EDEHSGNDSGSEPKRTRLEELIVQTM-----RRKOREWEAR 180

## RESULT 15

US-09-991-163-41  
; Sequence 41, Application US/09991163  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C17  
; CURRENT APPLICATION NUMBER: US/09/991,163  
; PRIOR FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16

;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440

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PRIORITY APPLICATION NUMBER: 60/090863
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/091360
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091478
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091544
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091519
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091626
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091633
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091978
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/091982
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/092182
PRIORITY FILING DATE: 1998-07-09
;

Query Match      27.1%; Score 58.5; DB 10; Length 566;
Best Local Similarity 29.8%; Pred. No. 45;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

OY      1 EDDERS-----TDSOCCSSEDEDIFEETATQVAPPRGKERRROWRAR 41
        ||:|      ::|:::|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      139 EDEHSGNDSGSEPESEKRTLEEEIVEQTM-----RRORREWEAR 180

Search completed: July 25, 2003, 17:10:40
Job time : 8.60322 secs

```

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:45:33 ; Search time 62.6105 Seconds

(without alignments)  
569.947 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216  
Sequence: 1 EDDERSTDSQCCSEDEDI.....EETAVSPPRCKEKRWRR 41

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5580241 seqs, 870357830 residues

Total number of hits satisfying chosen parameters: 5580241

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*

1: /cgn2\_6/ptodata/1/paa/PCFUS.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US08.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US081.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/paa/US082.COMB.pep.\*  
7: /cgn2\_6/ptodata/1/paa/US083.COMB.pep.\*  
8: /cgn2\_6/ptodata/1/paa/US084.COMB.pep.\*  
9: /cgn2\_6/ptodata/1/paa/US085.COMB.pep.\*  
10: /cgn2\_6/ptodata/1/paa/US086.COMB.pep.\*  
11: /cgn2\_6/ptodata/1/paa/US087.COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088.COMB.pep.\*  
13: /cgn2\_6/ptodata/1/paa/US089.COMB.pep.\*  
14: /cgn2\_6/ptodata/1/paa/US090.COMB.pep.\*  
15: /cgn2\_6/ptodata/1/paa/US091.COMB.pep.\*  
16: /cgn2\_6/ptodata/1/paa/US092.COMB.pep.\*  
17: /cgn2\_6/ptodata/1/paa/US093.COMB.pep.\*  
18: /cgn2\_6/ptodata/1/paa/US094.COMB.pep.\*  
19: /cgn2\_6/ptodata/1/paa/US095.COMB.pep.\*  
20: /cgn2\_6/ptodata/1/paa/US096.COMB.pep.\*  
21: /cgn2\_6/ptodata/1/paa/US097A.COMB.pep.\*  
22: /cgn2\_6/ptodata/1/paa/US097B.COMB.pep.\*  
23: /cgn2\_6/ptodata/1/paa/US098.COMB.pep.\*  
24: /cgn2\_6/ptodata/1/paa/US099A.COMB.pep.\*  
25: /cgn2\_6/ptodata/1/paa/US099B.COMB.pep.\*  
26: /cgn2\_6/ptodata/1/paa/US100.COMB.pep.\*  
27: /cgn2\_6/ptodata/1/paa/US101.COMB.pep.\*  
28: /cgn2\_6/ptodata/1/paa/US102.COMB.pep.\*  
29: /cgn2\_6/ptodata/1/paa/US103.COMB.pep.\*  
30: /cgn2\_6/ptodata/1/paa/US104.COMB.pep.\*  
31: /cgn2\_6/ptodata/1/paa/US60.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	216	100.0	41	12	US-08-842-385-7
2	216	100.0	41	25	US-09-991-681-28

3	216	100.0	467	12	US-08-842-385-6	Sequence 6, Appl
4	216	100.0	518	25	US-09-991-681-27	Sequence 27, Appl
5	216	100.0	1770	1	PCT-US03-01943-44	Sequence 44, Appl
6	216	100.0	1770	27	US-10-144-158-44	Sequence 44, Appl
7	216	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
8	216	100.0	1839	30	PCT-US01-42950-495	Sequence 495, App
9	216	100.0	1839	30	US-10-416-993-495	Sequence 495, App
10	216	100.0	1872	1	PCT-US03-04508-32	Sequence 32, Appl
11	216	100.0	1882	1	PCT-US01-08631-40090	Sequence 40090, A
12	216	100.0	2221	1	PCT-US03-01943-30	Sequence 30, Appl
13	216	100.0	2221	27	US-10-144-158-30	Sequence 30, Appl
14	69	31.9	192	20	US-09-623-791A-87	Sequence 87, Appl
15	69	31.9	192	20	US-09-623-791A-87	Sequence 87, Appl
16	69	31.9	192	27	US-10-131-467A-87	Sequence 87, Appl
17	65.5	30.3	462	26	US-10-072-012-770	Sequence 770, App
18	65.5	30.3	489	1	PCT-US02-58445-42	Sequence 42, Appl
19	65.5	30.3	496	26	US-10-072-012-771	Sequence 771, App
20	65.5	30.3	496	31	US-60-389-987-2147	Sequence 2147, App
21	65.5	30.3	496	31	US-60-412-418-2147	Sequence 2147, App
22	65.5	30.3	521	26	US-10-072-012-769	Sequence 769, App
23	65.5	30.3	522	31	US-60-340-187-528	Sequence 528, App
24	65.5	30.3	533	22	US-09-758-472-9466	Sequence 9466, App
25	65.5	30.3	533	28	US-10-235-926-9466	Sequence 9466, App
26	65.5	30.3	1585	1	PCT-US01-08631-36434	Sequence 36434, A
27	65.5	30.3	1585	1	PCT-US01-08631-41174	Sequence 41174, A
28	65.5	30.3	1598	1	PCT-US01-08631-36977	Sequence 36977, A
29	65.5	30.3	1598	1	PCT-US01-08631-40014	Sequence 40014, A
30	65.5	30.3	1647	1	PCT-US01-08631-34360	Sequence 34360, A
31	65	30.1	606	1	PCT-US02-03987-15575	Sequence 15575, A
32	65	30.1	606	26	US-10-032-585-7631	Sequence 7631, App
33	65	30.1	606	26	US-10-072-851-15575	Sequence 15575, A
34	65	30.1	606	31	US-60-259-128-5024	Sequence 5024, App
35	65	30.1	606	31	US-60-314-050-7631	Sequence 7631, App
36	65	30.1	607	27	US-10-179-131-6595	Sequence 6595, App
37	64	29.6	536	20	US-09-629-469A-11363	Sequence 11363, App
38	64	29.6	687	27	US-10-104-047-2651	Sequence 2651, App
39	64	29.6	706	19	US-09-538-097-957	Sequence 957, App
40	64	29.6	706	28	US-10-219-051B-7546	Sequence 7546, App
41	64	29.6	706	28	US-10-219-051B-11767	Sequence 11767, A
42	64	29.6	707	1	PCT-US03-10240-19	Sequence 19, Appl
43	64	29.6	707	17	US-09-393-302-22	Sequence 22, Appl
44	64	29.6	707	22	US-09-791-537-27328	Sequence 27328, A
45	64	29.6	707	23	US-09-825-886-22	Sequence 22, Appl

## ALIGNMENTS

RESULT 1  
US-08-842-385-7  
Sequence 7, Application US/08842385  
GENERAL INFORMATION:  
APPLICANT: Russell, John  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASE OF THE PROSTATE  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: Fastseq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/842,385  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Potembski, Priscilla E  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 6084.US.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/937-6365  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 41 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
US-08-842-385-7

Query Match 100.0%; Score 216; DB 12; Length 41;  
Best Local Similarity 100.0%; Pred. No. 2.2e-19;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 41  
Db 1 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 41

RESULT 2  
US-09-991-681-28

Sequence 28, Application US/09991681  
GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA

COHEN, MAURICE

COLPITTS, TRACEY L.

FRIEDMAN, PAULA N.

GORDON, JULIAN

GRANADOS, EDWARD N.

HODGES, STEVEN C.

KLASS, MICHAEL R.

KRATOCHVIL, JON D.

ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/991,681

FILING DATE: 26-Nov-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/065,383

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6084.US.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 28:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 41 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 28:  
US-09-991-681-28

Query Match 100.0%; Score 216; DB 25; Length 41;  
Best Local Similarity 100.0%; Pred. No. 2.2e-19;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 41  
Db 1 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 41

## RESULT 3

US-08-842-385-6  
Sequence 6, Application US/08842385

GENERAL INFORMATION:

APPLICANT: Russell, John

COLPITTS, TRACEY

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASE OF THE PROSTATE

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/842,385

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Potembski, Priscilla E

REGISTRATION NUMBER: 33,207

REFERENCE/DOCKET NUMBER: 6084.US.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/937-6365

TELEFAX: 847/938-2623

TELEX:

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 467 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: None

US-08-842-385-6

Query Match 100.0%; Score 216; DB 12; Length 467;  
Best Local Similarity 100.0%; Pred. No. 4.8e-18;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 41  
Db 133 EDDERSTDSSQCCSSEDEDIFEEETAQVSPPRGKEKROWRAR 173



RESULT 4  
US-09-991-681-27  
Sequence 27, Application US/09991681  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
COHEN, MAURICE  
COLPITTS, TRACEY L.  
FRIEDMAN, PAULA N.  
GORDON, JULIAN  
GRANADOS, EDWARD N.  
HODGES, STEVEN C.  
KLASS, MICHAEL R.  
KRATOCHVIL, JON D.  
ROBERTS-RAPP, LISA  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/991,681  
FILING DATE: 26-Nov-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/065,383  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-09-991-681-27  
Query Match 100.0%; Score 216; DB 25; Length 518;  
Best Local Similarity 100.0%; Pred. No. 5,5e-18;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 41  
DB 184 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 224  
RESULT 5  
PCT-US03-01943-44  
Sequence 44, Application PC/TUS0301943  
GENERAL INFORMATION:  
APPLICANT: ORIGENE TECHNOLOGIES INC  
TITLE OF INVENTION: CANCER GENES  
FILE REFERENCE: 3U 9U 901 PCT  
CURRENT APPLICATION NUMBER: PCT/US03/01943  
CURRENT FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 10/054,935

PRIOR FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 60/356,130  
PRIOR FILING DATE: 2002-02-14  
PRIOR APPLICATION NUMBER: US 10/102,946  
PRIOR FILING DATE: 2002-03-22  
PRIOR APPLICATION NUMBER: US 10/117,229  
PRIOR FILING DATE: 2002-04-08  
PRIOR APPLICATION NUMBER: US 10/144,198  
PRIOR FILING DATE: 2002-05-14  
PRIOR APPLICATION NUMBER: US 10/197,824  
PRIOR FILING DATE: 2002-07-19  
NUMBER OF SEQ ID NOS: 102  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-01943-44  
Query Match 100.0%; Score 216; DB 1; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 2.6e-17;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 41  
DB 1436 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 1476  
RESULT 6  
US-10-144-198-44  
Sequence 44, Application US/10144198  
GENERAL INFORMATION:  
APPLICANT: Origene Technologies Inc  
TITLE OF INVENTION: Regulated Prostate Cance Genes  
FILE REFERENCE: 9U 105 R1  
CURRENT APPLICATION NUMBER: US/10/144,198  
CURRENT FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 44  
SOFTWARE: Patentin version 3.0  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-144-198-44  
Query Match 100.0%; Score 216; DB 27; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 2.6e-17;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 41  
DB 1436 EDDERSTDSSQCCSSEDEDIFETTAQVSPPRGKEKROMRAR 1476  
RESULT 7  
PCT-US01-08631-40087  
Sequence 40087, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40087  
LENGTH: 1807  
TYPE: PRT  
ORGANISM: Homo sapiens

FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (48)..(62)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,  
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39  
NAME/KEY: DOMAIN  
LOCATION: (941)..(950)  
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40087

Query Match 100.0%; Score 216; DB 1; Length 1807;  
Best Local Similarity 100.0%; Pred. No. 2.6e-17;  
Matches 41: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 41  
Db 1473 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 1513

RESULT 8  
PCT-US01-42950-495  
Sequence 495, Application PC/TUS0142950  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: PCT/US01/42950  
CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 09/774,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US01-42950-495

Query Match 100.0%; Score 216; DB 1; Length 1839;  
Best Local Similarity 100.0%; Pred. No. 2.7e-17;  
Matches 41: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 41  
Db 1505 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 1545

RESULT 9  
US-10-416-993-495  
Sequence 495, Application US/10416993  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: US/10/416,993  
CURRENT FILING DATE: 2003-11-16  
PRIOR APPLICATION NUMBER: 09/774,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-416-993-495

Query Match 100.0%; Score 216; DB 30; Length 1839;  
Best Local Similarity 100.0%; Pred. No. 2.7e-17;  
Matches 41: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 41  
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Db 1505 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 1545

RESULT 10  
PCT-US03-04508-32  
Sequence 32, Application PC/TUS0304508  
GENERAL INFORMATION:  
APPLICANT: IDEC PHARMACEUTICALS  
APPLICANT: GATELY, DENNIS  
TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN  
FILE REFERENCE: 037003/0301985  
CURRENT APPLICATION NUMBER: PCT/US03/04508  
CURRENT FILING DATE: 2003-02-19  
PRIOR APPLICATION NUMBER: 60/357,140  
PRIOR FILING DATE: 2002-02-19  
PRIOR APPLICATION NUMBER: 60/396,082  
PRIOR FILING DATE: 2002-07-17  
PRIOR APPLICATION NUMBER: 60/386,759  
PRIOR FILING DATE: 2002-06-10  
NUMBER OF SEQ ID NOS: 93  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 32  
LENGTH: 1872  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-04508-32

Query Match 100.0%; Score 216; DB 1; Length 1872;  
Best Local Similarity 100.0%; Pred. No. 2.8e-17;  
Matches 41: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 41  
Db 1538 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 1578

RESULT 11  
PCT-US01-08631-40090  
Sequence 40090, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40090  
LENGTH: 1982  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (11)..(25)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,  
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.  
NAME/KEY: DOMAIN  
LOCATION: (1065)..(1074)  
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40090

Query Match 100.0%; Score 216; DB 1; Length 1982;  
Best Local Similarity 100.0%; Pred. No. 3e-17;  
Matches 41: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSEDEDFEETAAQVSPRGKKEKROWRAR 41  
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Db      1587 EDDERSTDSSQCCSSEDEDFEETAVSPPRGKERKROWMAR 1627

RESULT 12
PCT-US03-01943-30
; Sequence 30, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-30

Query Match      100.0%; Score 216; DB 1; Length 2221;
Best Local Similarity 100.0%; Pred. No. 3.4e-17;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EDDERSTDSSQCCSSEDEDFEETAVSPPRGKERKROWMAR 41
Db      1887 EDDERSTDSSQCCSSEDEDFEETAVSPPRGKERKROWMAR 1927

RESULT 13
US-10-144-198-30
; Sequence 30, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-30

Query Match      100.0%; Score 216; DB 27; Length 2221;
Best Local Similarity 100.0%; Pred. No. 3.4e-17;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EDDERSTDSSQCCSSEDEDFEETAVSPPRGKERKROWMAR 41
Db      1887 EDDERSTDSSQCCSSEDEDFEETAVSPPRGKERKROWMAR 1927

RESULT 14
US-09-623-791-87
; Sequence 87, Application US/09623791
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND

; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE
; CURRENT APPLICATION NUMBER: US/09/623,791
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/DE99/00721
; PRIOR FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 201
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-791-87

Query Match      31.9%; Score 69; DB 20; Length 192;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EDDERSTDSSQCC 13
Db      180 EDDERSTDSSQCC 192

RESULT 15
US-09-623-791A-87
; Sequence 87, Application US/09623791A
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE
; FILE REFERENCE: ALBRE 11
; CURRENT APPLICATION NUMBER: US/09/623,791A
; CURRENT FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: PCT/DE99/00721
; PRIOR FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 201
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-791A-87

Query Match      31.9%; Score 69; DB 20; Length 192;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EDDERSTDSSQCC 13
Db      180 EDDERSTDSSQCC 192

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:03 ; Search time 1.14056 Seconds  
(without alignments)  
147.608 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216  
Sequence: 1 EDDERSTDSQCCSEDEDI.....EETAAVSPRCKEKROWRAR 41

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 41799 seqs, 4106219 residues

Total number of hits satisfying chosen parameters: 41799

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

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3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
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6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	216	100.0	1872	6	US-10-367-978-32
2	60.5	28.0	512	1	PCT-US03-11231-156
3	60.5	28.0	512	1	PCT-US03-11231-243
4	58.5	27.1	517	6	US-10-451-901-16
5	58.5	27.1	767	6	US-10-294-433-359
6	53.5	24.8	538	7	US-60-478-196-323
7	52	24.1	413	6	US-10-294-433-316
8	52	24.1	739	6	US-10-353-856-1
9	51.5	23.8	825	1	PCT-US03-11231-161
10	51.5	23.8	826	1	PCT-US03-11231-47
11	51	23.6	352	6	US-10-273-573-10381
12	51	23.6	1170	7	US-60-478-196-3182
13	50	23.1	918	5	US-09-200-650E-1
14	49.5	22.9	45	6	US-10-273-573-8148
15	49.5	22.9	375	5	US-10-294-433-308
16	49.5	22.9	775	5	US-09-820-843B-58
17	49	22.7	281	1	PCT-US02-41612A-576
18	49	22.7	363	6	US-10-275-595A-17
19	49	22.7	839	1	PCT-US02-41612A-574
20	49	22.7	1190	6	US-10-294-433-270
21	49	22.7	1617	6	US-10-451-207-5
22	48	22.2	112	6	US-10-273-573-7902
23	48	22.2	250	6	US-10-273-573-7905
24	48	22.2	400	6	US-10-451-862-2
25	48	22.2	872	6	US-10-372-209-16
26	48	22.2	1170	6	US-10-273-573-9652

27	47.5	22.0	1954	1	PCT-US03-19027-2	Sequence 2, Appl
28	47	21.8	396	7	US-60-478-196-3236	Sequence 3236, Ap
29	47	21.8	547	1	PCT-US03-10753-42	Sequence 42, Appl
30	47	21.8	870	7	US-60-479-073-319	Sequence 319, App
31	47	21.8	1430	1	PCT-US03-06962-36	Sequence 36, Appl
32	46.5	21.5	202	7	US-60-478-196-3320	Sequence 3320, Ap
33	46.5	21.5	1469	7	US-60-479-073-335	Sequence 335, App
34	46	21.3	287	1	PCT-US02-18638A-176	Sequence 176, App
35	46	21.3	300	1	PCT-US02-18638A-174	Sequence 174, App
36	46	21.3	314	1	PCT-US02-18638A-172	Sequence 172, App
37	46	21.3	314	5	US-09-981-845-1	Sequence 1, Appl
38	45.5	21.1	423	6	US-10-273-573-9690	Sequence 9690, Ap
39	45.5	21.1	1605	6	US-10-273-573-10656	Sequence 10656, A
40	45.5	21.1	1654	6	US-10-273-573-10655	Sequence 10655, A
41	45	20.8	146	1	PCT-US03-11231-7	Sequence 7, Appl
42	45	20.8	257	6	US-10-273-573-5844	Sequence 5844, Ap
43	45	20.8	303	6	US-10-273-573-5845	Sequence 5845, Ap
44	45	20.8	468	6	US-10-273-573-5843	Sequence 5843, Ap
45	45	20.8	856	7	US-60-479-073-428	Sequence 428, App

#### ALIGNMENTS

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RESULT 1
US-10-367-978-32
; Sequence 32, Application US/10367978
; GENERAL INFORMATION:
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003-0301988
; CURRENT APPLICATION NUMBER: US/10/367,978
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/386,759
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-367-978-32

Query Match          100.0%; Score 216; DB 6; Length 1872;
Best Local Similarity 100.0%; Pred. No. 1.1e-21;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSEDEDIFFETAAVSPRCKEKROWRAR 41
Db 1538 EDDERSTDSQCCSEDEDIFFETAAVSPRCKEKROWRAR 1578

RESULT 2
PCT-US03-11231-156
; Sequence 156, Application PC/TUS0311231
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.53801PC
; CURRENT APPLICATION NUMBER: PCT/US03/11231
; CURRENT FILING DATE: 2003-04-09
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156
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; LENGTH: 512
; TYPE: PRT
; ORGANISM: HSV2
PCT-US03-11231-156

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Query Match	28.0%;	Score 60.5;	DB 1;	Length 512;
Best Local Similarity	34.1%;	Pred. NO. 0.4;		
Matches 14; Conservative	7;	Mismatches 13;	Indels 7;	Gaps 1;

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QY      3 DEKSTDSQCCSSEDEDEFE-----ETAQVSPPGKEKR 36
      1 : : : : : : : : : : : : : : : : : : : : : :
DQ      34 DPESDSGEGCSSDEDMEDPCGDBGAEIADAIRKGPAP 74
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RESULT 3
PCT-US03-11231-243
Sequence 243, Application PC/RTUS0311231
GENERAL INFORMATION:
APPLICANT: Corixa Corporation
APPLICANT: Day, Craig H.
APPLICANT: Hosken, Nancy A.
APPLICANT: Parsons, Joseph M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
FILE REFERENCE: 210121.53801PC
CURRENT APPLICATION NUMBER: PCT/US03/11231
CURRENT FILING DATE: 2003-04-09
NUMBER OF SEQ. ID NOS: 267
SOFTWARE: FastSeq for Windows Version 4.0
SEQ. ID NO 243
LENGTH: 512
TYPE: PR3
ORGANISM: Herpes simplex virus
PCT-US03-11231-243

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	28.0%;	Score 60.5;	DB 1,	length 512;
Query Match	Similarity	34.1%;	Pred. NO. 0.4;	
Best Local	Conservative	7;	Mismatches	13;
Matches			Indels	7;
			Gaps	1;
OY	3 DERSTDSQCCSSDEDIEF-----ETAOVSPRCKEKR	36		
	I:::IIIIIIIIII:	:I::I:		
Db	34 DPESDSSGECSSDDEDPCCGGAGAIDAIAPALGPAPAR	74		

RESULT 4  
US-10-451-901-16  
Sequence 16, Application US/10451901  
GENERAL INFORMATION:  
APPLICANT: INCYTE CORPORATION; BAUGHN, Mariah R.;  
APPLICANT: LU, Yan; AVEYU, Chandra S.;  
APPLICANT: RAMKUMAR, Jayalaxmi; YAO, Monique G.;  
APPLICANT: POLICKY, Jennifer L.; WALIN, Narinder K.;  
APPLICANT: TRIBOUNLEY, Catherine M.; YEE, Henry;  
APPLICANT: BATRA, Sajeev; DING, Li;  
APPLICANT: LAL, Preeti G.; BOROWSKI, Mark L.;  
APPLICANT: LU, Dying Aina M.; GANDHI, Ameena R.;  
APPLICANT: GRIFFIN, Jennifer A.; XU, Yuming;  
APPLICANT: AZIMAI, Yalda; GIERTZEN, Kimberly J.;  
APPLICANT: TANG, Y. TOM; WARREN, Bridget A.;  
APPLICANT: MASON, Patricia M.; BURROD, Neil;  
APPLICANT: HAFALIA, April J.A.; LEE, Ernestine A.;  
APPLICANT: YANG, Junning; GORVAD, Ann E.;  
APPLICANT: EMERLING, Brooke M.; MARQUIS, Joseph P.;  
APPLICANT: LEE, Soo Yeun; SARNAKAK, Anita;  
APPLICANT: REDDY, Roopa M.; JIANG, Xin;  
APPLICANT: JACKSON, Alan A.  
TITLE OF INVENTION: NOCLEIC ACID-ASSOCIATED PROTEIN(S)  
FILE REFERENCE: PF-0869 USN  
CURRENT APPLICATION NUMBER: US/10/451,901  
CURRENT FILING DATE: 2003-06-23  
PRIOR APPLICATION NUMBER: PCR/US01/50256  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: US 60/257,714

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# PRIOR FILING DATE: 2000-12-21
# PRIOR APPLICATION NUMBER: US 60/260,081
# PRIOR FILING DATE: 2001-01-05
# PRIOR APPLICATION NUMBER: US 60/262,302
# PRIOR FILING DATE: 2001-01-16
# PRIOR APPLICATION NUMBER: US 60/263,823
# PRIOR FILING DATE: 2001-01-23
# PRIOR APPLICATION NUMBER: US 60/266,088
# PRIOR FILING DATE: 2001-02-02
# PRIOR APPLICATION NUMBER: US 60/348,442
# PRIOR FILING DATE: 2001-10-29
# NUMBER OF SEQ ID NOS: 32
# SOFTWARE: PERL Program
# SEQ ID NO 16
# LENGTH: 517
# TYPE: PRT
# ORGANISM: Homo sapiens
# FEATURE:
# NAME/KEY: misc.feature
# OTHER INFORMATION: Incyte ID No: 3187174CD1
US-10-451-901-16

```

	Query Match	27.1%	Score 58.5	DB 6	length 517;
	Best Local Similarity	34.8%	Pred. N0.77		
Matches	16; Conservative	8;	Mismatches	17;	Incls 5; Gaps 1;
Oy	1 EDDERSTDSQOCSESDP-----TFEETAOVSPPRGKRRMRAR	41			
	: : : : : : : : : : : : : : : : :				
Dd	235 EDEETSSSESETSDDDDRQMNKLMLANIQPRPTTRIOHVR	280			

```

RESULT 5
US-10-294-433-959
Sequence 359, Application US/10294433
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
FILE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 792CIP4
CURRENT APPLICATION NUMBER: US/10/294,433
PRIORITY FILING DATE: 2002-11-13
PRIORITY APPLICATION NUMBER: PCT/US01/14826
PRIORITY FILING DATE: 2001-05-16
PRIORITY APPLICATION NUMBER: 09/989,600
PRIORITY FILING DATE: 2001-11-21
PRIORITY APPLICATION NUMBER: 09/577,408
PRIORITY FILING DATE: 2000-05-18
PRIORITY APPLICATION NUMBER: 10/115,831
PRIORITY FILING DATE: 2002-04-02
PRIORITY APPLICATION NUMBER: 09/677,298
PRIORITY FILING DATE: 2000-09-22
PRIORITY APPLICATION NUMBER: 09/695,781
PRIORITY FILING DATE: 2000-10-24
PRIORITY APPLICATION NUMBER: 10/150,802
PRIORITY FILING DATE: 2002-05-15
PRIORITY APPLICATION NUMBER: 09/775,869
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 10/167,379
PRIORITY FILING DATE: 2002-06-10
PRIORITY APPLICATION NUMBER: 09/775,330
PRIORITY FILING DATE: 2001-02-01
NUMBER OF SEQ ID NOS: 864
SOFTWARE: Custom
SEQ ID NO 359
LENGTH: 767
Type: PRT
ORGANISM: Homo sapiens
US-10-294-433-359

```

Query Match	27.1%	Score 58.5;	DB 6;	Length 767;
Best Local Similarity	34.2%;	Pred. No. 1.2;		
Matches 13;	Conservative 9;	Mismatches 15;	Indels 1;	Gaps 1;
OY	1	EDDERSTDSSQCCSE	-DEDIFEETAAQVSPRGKEK	RQ 37

Db 508 EDDQASTSTASEGDNIDEDMEDBRAGLGCPPLSHRPQ 545

RESULT 6

```
US-60-478-196-3253
; Sequence 3253, Application US/60478196
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Lemieux, Sebastien
; APPLICANT: Hu, Mengqi
; APPLICANT: Roemer, Terry
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF ASPERGILLUS FUMIGATUS AND ME
; FILE REFERENCE: 10182-026-888
; CURRENT APPLICATION NUMBER: US/60/478,196
; CURRENT FILING DATE: 2003-06-13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3253
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-60-478-196-3253
```

Query Match 24.8%; Score 53.5; DB 7; Length 538;  
Best Local Similarity 30.6%; Pred. No. 3.9;  
Matches 15; Conservative 6; Mismatches 19; Indels 9; Gaps 1;

Qy 1 EDDERSTDSQCCSSEDEDI-----FEETAQVSPRGKEKRWRA 40  
Db 71 EDDERSELEEDLQSEDEDMQDVSEVAGDPAERTLANVDQAPSKKKRRA 119

RESULT 7  
US-10-294-433-316  
; Sequence 316, Application US/10294433  
; GENERAL INFORMATION:

```
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 792CIP4
; CURRENT APPLICATION NUMBER: US/10/294,433
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/14826
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 09/989,600
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: 10/115,831
; PRIOR FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/677,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,781
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: 10/150,802
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/715,869
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 10/167,379
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 09/775,330
; PRIOR FILING DATE: 2001-02-01
; NUMBER OF SEQ ID NOS: 864
; SOFTWARE: Custom
; SEQ ID NO 316
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-294-433-316
```

Query Match 24.1%; Score 52; DB 6; Length 413;  
Best Local Similarity 32.3%; Pred. No. 4.5;

Matches 10; Conservative 7; Mismatches 14; Indels 0; Gaps 0;

Qy 1 EDDERSTDSQCCSSEDEDIFFETAQVSPR 31  
Db 365 EDESESEIDMEDDEDDLEDESISLSPTK 395

RESULT 8

```
US-10-353-856-1
; Sequence 1, Application US/10353856
; GENERAL INFORMATION:
; APPLICANT: Kawakita, Yoshihiro
; APPLICANT: Jasenosky, Luke D.
; APPLICANT: Neumann, Gabriele
; APPLICANT: Wisconsin Alumni Research Foundation
; TITLE OF INVENTION: Filovirus Vectors and Noninfectious Filovirus-Based Particles
; FILE REFERENCE: 800.032051
; CURRENT APPLICATION NUMBER: US/10/353,856
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US 60/353,972
; PRIOR FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 739
; TYPE: PRT
; ORGANISM: Reston Ebola virus
US-10-353-856-1
```

Query Match 24.1%; Score 52; DB 6; Length 739;  
Best Local Similarity 37.1%; Pred. No. 9;  
Matches 13; Conservative 10; Mismatches 8; Indels 4; Gaps 2;

Qy 1 EDDERSTDSQCCSSEDEDIFFETAQVSPR 35  
Db 525 KDDNRASDNNQ--SADSE---EQEQYNNRHRGPER 555

RESULT 9

```
PCT-US03-11231-161
; Sequence 161, Application PC/TUS0311231
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.53801PC
; CURRENT APPLICATION NUMBER: PCT/US03/11231
; CURRENT FILING DATE: 2003-04-09
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 161
; LENGTH: 825
; TYPE: PRT
; ORGANISM: HSV2
PCT-US03-11231-161
```

Query Match 23.8%; Score 51.5; DB 1; Length 825;  
Best Local Similarity 33.3%; Pred. No. 12;  
Matches 13; Conservative 6; Mismatches 17; Indels 3; Gaps 1;

Qy 2 DDERSTDSQCCSSEDEDIFFETAQVSPRGKEK 37  
Db 57 DDLHRDSTSEAGSTDTMEFEAGLMDATPPAPPAERQ 95

RESULT 10

```
PCT-US03-11231-47
; Sequence 47, Application PC/TUS0311231
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
```

```

: APPLICANT: Day, Craig H.
: APPLICANT: Hosken, Nancy A.
: APPLICANT: Parsons, Joseph M.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
: TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
: FILE REFERENCE: 210121.53801PC
: CURRENT APPLICATION NUMBER: PCT/US03/11231
: CURRENT FILING DATE: 2003-04-09
: NUMBER OF SEQ ID NOS: 267
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 47
: LENGTH: 826
: TYPE: PRT
: ORGANISM: HSV-2
: PCT-0503-11231-47

Query Match          23.8%; Score 51.5; DB 1; Length 826;
Best Local Similarity 33.3%; Pred. No. 12;
Matches 13; Conservative 6; Mismatches 17; Indels 3; Gaps 1;

OY      2 DDERSTDSQCCSSEDEDFEETAOVSPPRCKEKRO 37
Db      57 DDDLHRDSTSEAGSTDEMFAGLMDATPPARPPAERO 95

RESULT 11
US-10-273-573-10381
: Sequence 10381, Application US/10273573
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: US/10/273,573
: CURRENT FILING DATE: 2002-10-18
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 10381
: LENGTH: 352
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(352)
: OTHER INFORMATION: Xaa - x or * as defined in Table 2
US-10-273-573-10381

Query Match          23.6%; Score 51; DB 6; Length 352;
Best Local Similarity 39.4%; Pred. No. 5.2;
Matches 13; Conservative 5; Mismatches 7; Indels 8; Gaps 2;

OY      2 DDERSTDSQCCSSEDEDFEETAOVSPPRCKE 34
Db      143 EDERETD-----EDDEAFEGALQ-SPASCKQ 167

RESULT 12
US-60-478-196-3182
: Sequence 3182, Application US/60478196
: GENERAL INFORMATION:
: APPLICANT: Jlang, Bo
: APPLICANT: Lemieux, Sebastien
: APPLICANT: Hu, Wenqi
: APPLICANT: Roemer, Terry
: TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF ASPERGILLUS FUMIGATUS AND ME
: TITLE OF INVENTION: USE
: FILE REFERENCE: 10182-026-888
: CURRENT APPLICATION NUMBER: US/60/478,196
: CURRENT FILING DATE: 2003-06-13
: NUMBER OF SEQ ID NOS: 4000
```

```

: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 3182
: LENGTH: 1170
: TYPE: PRT
: ORGANISM: Aspergillus fumigatus
US-60-478-196-3182

Query Match          23.6%; Score 51; DB 7; Length 1170;
Best Local Similarity 44.8%; Pred. No. 21;
Matches 13; Conservative 2; Mismatches 10; Indels 4; Gaps 2;

OY      10 SQCCSSEDEDFEETAOVSPPRCKEKROW 38
Db      677 SMGASSESED--SNTAFSGPP-KERDOW 701

RESULT 13
US-09-200-650E-1
: Sequence 1, Application US/09200650E
: GENERAL INFORMATION:
: APPLICANT: Patti, Joseph M.
: APPLICANT: Foster, Timothy J.
: APPLICANT: Hook, Magnus A.O.
: APPLICANT: Eldhinn, Delindre M
: APPLICANT: Perkins, Samuel L.
: TITLE OF INVENTION: Extracellular Matrix-Binding Proteins from Staphylococcus aure
: FILE REFERENCE: P06283US2/BAS
: CURRENT APPLICATION NUMBER: US/09/200,650E
: CURRENT FILING DATE: 1998-11-25
: PRIOR APPLICATION NUMBER: 60/066,815
: PRIOR FILING DATE: 1997-11-26
: PRIOR APPLICATION NUMBER: 60/098,427
: PRIOR FILING DATE: 1998-08-31
: NUMBER OF SEQ ID NOS: 23
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1
: LENGTH: 918
: TYPE: PRT
: ORGANISM: Staphylococcus aureus
US-09-200-650E-1

Query Match          23.1%; Score 50; DB 5; Length 918;
Best Local Similarity 22.5%; Pred. No. 22;
Matches 8; Conservative 10; Mismatches 16; Indels 0; Gaps 0;

OY      2 DDERSTDSQCCSSEDEDFEETAOVSPPRCKEK 35
Db      822 DSDSDSDSDSDSDSDSDSDSDSDSRVTPPNNECK 855

RESULT 14
US-10-273-573-8148
: Sequence 8148, Application US/10273573
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: US/10/273,573
: CURRENT FILING DATE: 2002-10-18
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 8148
: LENGTH: 45
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(45)
: OTHER INFORMATION: Xaa - x or * as defined in Table 2
```



US-10-273-573-8148

Query Match	22.98;	Score 49.5;	DB 6;	Length 45;
Best Local Similarity	35.38;	Pred. NO. 0.75;		
Matches 12; Conservative	6;	Mismatches 13;	Indels 3;	Gaps 1;

```
QY      1 EDDERSTDSQQCSSE---DEDIFETAAQVSPPR 31
        |::| |::||| ||: ||
Db      3 EEEEDYDXEEESSEPLDENDLEDDVVFQPPQ 36
```

RESULT 15  
US-10-294-433-308

```

; Sequence 308, Application us/10294433
; GENERAL INFORMATION:
;   APPLICANT: Hyseq, Inc
;   TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;   FILE REFERENCE: 792C1P4
;   CURRENT APPLICATION NUMBER: US/10/294,433
;   CURRENT FILING DATE: 2002-11-13
;   PRIOR APPLICATION NUMBER: PCT/US01/14626
;   PRIOR FILING DATE: 2001-05-16
;   PRIOR APPLICATION NUMBER: 09/989,600
;   PRIOR FILING DATE: 2001-11-21
;   PRIOR APPLICATION NUMBER: 09/577,408
;   PRIOR FILING DATE: 2000-05-18
;   PRIOR APPLICATION NUMBER: 10/115,831
;   PRIOR FILING DATE: 2002-04-02
;   PRIOR APPLICATION NUMBER: 09/677,288
;   PRIOR FILING DATE: 2000-09-22
;   PRIOR APPLICATION NUMBER: 09/695,781
;   PRIOR FILING DATE: 2000-10-24
;   PRIOR APPLICATION NUMBER: 10/150,802
;   PRIOR FILING DATE: 2002-05-15
;   PRIOR APPLICATION NUMBER: 09/715,869
;   PRIOR FILING DATE: 2000-11-17
;   PRIOR APPLICATION NUMBER: 10/167,379
;   PRIOR FILING DATE: 2002-06-10
;   PRIOR APPLICATION NUMBER: 09/775,330
;   PRIOR FILING DATE: 2001-02-01
;   NUMBER OF SEQ ID NOS: 864
;   SOFTWARE: Cidom
;   SEQ ID NO 308
;   LENGTH: 375
;   TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-294-433-308.

```

Query Match	22.98;	Score 49.5;	DB 6;	Length 375;
Best Local Similarity	33.38;	Pred. No. 8.9;		
Matches 13;	Conservative 10;	Mismatches 9;	Indels 7;	Gaps 2

```

QY      3 DERSTD---SSQCCSSEDEDIFEETAQVSPPRGKEKRO 37
        |||:|      ::|||:|      ::|||:|
DB     228 DESSDEDEKKNKESSDDED--KESEEPKKTAKRE 263

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Search completed: July 25, 2003, 17:08:41  
Job time : 1.14056 secs

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OW protein - protein search, using sw model

Run on: July 25, 2003, 16:47:13 ; Search time 3.12592 Seconds

(without alignments)  
473.743 Million cell updates/sec

File: US-09-991-681-29

Perfect score: 180  
Sequence: 1 SFQSESTPTSGFGKFTPSDRSQRHMGES 35

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/6C.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/6D.COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	180	100.0	35	US-09-065-383-29	Sequence 29, Appl
2	180	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	53.5	29.7	737	US-09-772-647-4	Sequence 4, Appl
4	52.5	29.2	717	US-08-910-925-1	Sequence 1, Appl
5	50	27.8	309	US-08-465-167A-24	Sequence 24, Appl
6	50	27.8	309	US-08-993-118-10	Sequence 10, Appl
7	50	27.8	309	US-08-845-528C-10	Sequence 10, Appl
8	50	27.8	309	US-08-627-820-24	Sequence 24, Appl
9	50	27.8	309	US-09-066-281B-10	Sequence 10, Appl
10	50	27.8	333	US-09-107-532A-6475	Sequence 6475, Ap
11	50	27.8	401	US-08-549-004A-5	Sequence 5, Appl
12	50	27.8	401	US-09-051-982A-5	Sequence 5, Appl
13	50	27.8	1261	US-09-208-742-4	Sequence 4, Appl
14	50	27.8	1261	US-09-332-295-2	Sequence 2, Appl
15	50	27.8	1261	US-09-709-979-2	Sequence 2, Appl
16	49.5	27.5	99	US-09-216-393B-20	Sequence 20, Appl
17	49.5	27.5	674	US-08-893-852A-1	Sequence 1, Appl
18	49.5	27.5	703	US-08-910-925-4	Sequence 4, Appl
19	49	27.2	683	US-09-620-412C-357	Sequence 357, App
20	49	27.2	683	US-09-598-419-357	Sequence 357, App
21	49	27.2	798	US-09-552-991A-30781	Sequence 30781, A
22	49	27.2	821	US-09-556-877-195	Sequence 195, App
23	49	27.2	821	US-09-620-412C-195	Sequence 195, App
24	49	27.2	821	US-09-598-419-195	Sequence 195, App
25	49	27.2	1776	US-09-556-877-179	Sequence 179, App
26	49	27.2	1776	US-09-620-412C-179	Sequence 179, App
27	49	27.2	1776	US-09-598-419-179	Sequence 179, App

28	48.5	26.9	335	US-09-106-872A-17	Sequence 17, Appl
29	48.5	26.9	568	US-08-320-559-30	Sequence 30, Appl
30	48.5	26.9	568	US-08-545-860D-30	Sequence 30, Appl
31	48.5	26.9	568	PCT-US84-04456-30	Sequence 30, Appl
32	48	26.7	432	US-09-252-991A-31253	Sequence 31253, A
33	48	26.7	714	US-09-347-878-16	Sequence 16, Appl
34	47.5	26.4	590	US-08-893-852A-4	Sequence 4, Appl
35	47.5	26.4	590	US-08-821-818-2	Sequence 2, Appl
36	47.5	26.4	590	US-09-052-753B-2	Sequence 2, Appl
37	47	26.1	300	US-09-277-078-2	Sequence 2, Appl
38	47	26.1	365	US-08-481-814A-10	Sequence 10, Appl
39	47	26.1	1704	US-08-485-355B-40	Sequence 40, Appl
40	47	26.1	2265	US-08-149-097D-36	Sequence 36, Appl
41	47	26.1	2509	US-08-149-097D-35	Sequence 35, Appl
42	46.5	25.8	98	US-08-481-658B-50	Sequence 50, Appl
43	46.5	25.8	98	US-08-477-504A-50	Sequence 50, Appl
44	46.5	25.8	98	US-08-486-756A-50	Sequence 50, Appl
45	46.5	25.8	98	US-08-485-862B-50	Sequence 50, Appl

## ALIGNMENTS

RESULT 1  
US-09-065-383-29  
Sequence 29, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 35 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-29

Query Match 100.0%; Score 180; DB 4; Length 35;  
Best Local Similarity 100.0%; Pred. No. 1.3e-18;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 SF0SESSPTSTGFGSKETPSEDDRSOSREHMGES 35  
Db 1 SF0SESSPTSTGFGSKETPSEDDRSOSREHMGES 35

RESULT 2  
US-09-065-383-27  
Sequence 27, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065.383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842.385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084. US. P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-27  
Query Match 100.0%; Score 180; DB 4; Length 518;  
Best Local Similarity 100.0%; Pred. No. 3.3e-17;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 SF0SESSPTSTGFGSKETPSEDDRSOSREHMGES 35  
Db 283 SF0SESSPTSTGFGSKETPSEDDRSOSREHMGES 317

RESULT 3  
US-09-772-647-4  
Sequence 4, Application US/09772647  
Patent No. 6521815  
GENERAL INFORMATION:  
APPLICANT: Verma, Ajit K  
APPLICANT: Reddig, Peter J  
APPLICANT: Jansen, Aaron P  
TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma  
FILE REFERENCE: 960296.97613  
CURRENT APPLICATION NUMBER: US/09/772.647  
CURRENT FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 737  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: 17 tag and  
US-09-772-647-4  
OTHER INFORMATION: mouse protein kinase C epsilon coding sequence

Query Match 29.7%; Score 53.5; DB 4; Length 737;  
Best Local Similarity 48.0%; Pred. No. 26;  
Matches 12; Conservative 5; Mismatches 3; Indels 5; Gaps 1;

Oy 4 SESSTPSTGFGSKETPSEDDRSOS 28  
Db 327 AESPPASG-----NSPEDRSKS 346

RESULT 4  
US-08-910-925-1  
Sequence 1, Application US/08910925  
Patent No. 6162601  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Lal, Preeti  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: HUMAN PININ SPLICE VARIANT  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/910.925  
FILING DATE: Herewith  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0365 US  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 717 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: FIBROBLAST  
CLONE: 53219  
US-08-910-925-1

Query Match 29.2%; Score 52.5; DB 3; Length 717;  
Best Local Similarity 41.2%; Pred. No. 34;  
Matches 14; Conservative 6; Mismatches 9; Indels 5; Gaps 1;

QY 1 SFQSSSTPSTGFGSGKE---TPSEDDRSQR 29  
Db 603 SRSSTSSSTGSSSSRDSSSTSSSESRSR 636

RESULT 5  
US-08-465-167A-24  
Sequence 24, Application US/08465167A  
Patent No. 5750395  
GENERAL INFORMATION:  
APPLICANT: Fikes, John D.  
APPLICANT: Livingston, Brian D.  
APPLICANT: Sette, Alessandro D.  
APPLICANT: Sidney, John C.  
TITLE OF INVENTION: DNA ENCODING MAGE-1 C-TERMINAL  
TITLE OF INVENTION: IMMUNOGENIC PEPTIDES (as amended)  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/465,167A  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/103,623  
FILING DATE: 06-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Parmelee, Steven W.  
REGISTRATION NUMBER: 31,990  
REFERENCE/DOCKET NUMBER: 14137-60-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-467-9600  
TELEFAX: 415-576-0300  
INFORMATION FOR SEQ ID NO: 24:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 309 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-465-167A-24

Query Match 27.8%; Score 50; DB 1; Length 309;  
Best Local Similarity 42.4%; Pred. No. 28;  
Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;

QY 3 QSSSTPSTGFGSGKEPSEDDRSQRHMGES 35  
Db 59 QGASAPPTTINTKORQPSG--SSREDEGFS 89

RESULT 6  
US-08-993-118-10  
Sequence 10, Application US/08993118  
Patent No. 5997872  
GENERAL INFORMATION:  
APPLICANT: LUCAS, Sophie;  
APPLICANT: DE SMET, Charles;  
APPLICANT: BOON-FALLEUR, Thierry  
TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING FOR TUMOR  
TITLE OF INVENTION: REJECTION ANTIGEN PRECURSOR MAGE-C1 AND USES  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felte & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/993,118  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/845,528  
FILING DATE: April 25, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mary Anne Schofield  
REGISTRATION NUMBER: 36,669  
REFERENCE/DOCKET NUMBER: LUD 5455  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 309  
TYPE: amino acids  
STRANDEDNESS: single stranded  
TOPOLOGY: linear  
US-08-993-118-10

Query Match 27.8%; Score 50; DB 2; Length 309;  
Best Local Similarity 42.4%; Pred. No. 28;  
Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;

QY 3 QSSSTPSTGFGSGKEPSEDDRSQRHMGES 35  
Db 59 QGASAPPTTINTKORQPSG--SSREDEGFS 89

RESULT 7  
US-08-845-528C-10  
Sequence 10, Application US/08845528C  
Patent No. 6027924  
GENERAL INFORMATION:  
APPLICANT: LUCAS, Sophie;  
APPLICANT: DE SMET, Charles;  
APPLICANT: BOON-FALLEUR, Thierry  
TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING FOR TUMOR  
TITLE OF INVENTION: REJECTION ANTIGEN PRECURSOR MAGE-C1 AND USES  
NUMBER OF SEQUENCES: 14

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/845,528C
FILING DATE: April 25, 1997
CLASSIFICATION: 4335
ATTORNEY/AGENT INFORMATION:
NAME: Mary Anne Schofield
REGISTRATION NUMBER: 36,669
REFERENCE/DOCKET NUMBER: LUD 5455
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 309
TYPE: amino acids
STRANDEDNESS: single stranded
TOPOLOGY: linear
US-08-845-528C-10

Query Match 27.88; Score 50; DB 3; Length 309;
Best Local Similarity 42.48; Pred. No. 28;
Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;

3 QSESSTPGSGKGTPEEDRQSGRHMGES 35
| : : : : : | : : : : : |
59 QGASAFPTTINTFRQPSSEC-SSSRREBSPS 89

RESULT 8
US-08-627-820-24
Sequence 24, Application US/08627820
Patent No. 6464980
GENERAL INFORMATION:
APPLICANT: Fikes, John D.
Livingston, Brian D.
Sette, Alessandro D.
Sidney, John C.
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF THE
COMPLETE MAZE 1 GENE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: One Market Plaza, Stuart Street Tower
CITY: San Francisco
STATE: CA
COUNTRY: U.S.A.
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/627,820
FILING DATE: 02-Apr-1996
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: US/08/103,623
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Parmelee, Steven W.

```

```

1 REGISTRATION NUMBER: 31,990
2 REFERENCE/DOCKET NUMBER: 14137-60
3 TELECOMMUNICATION INFORMATION:
4 TELEPHONE: (206) 467-9600
5 TELEFAX: (415) 543-5043
6 INFORMATION FOR SEQ ID NO: 24:
7 SEQUENCE CHARACTERISTICS:
8 LENGTH: 309 amino acids
9 TYPE: amino acid
10 STRANDEDNESS: single
11 TOPOLOGY: linear
12 MOLECULE TYPE: protein
13 SEQUENCE DESCRIPTION: SEQ ID NO: 24:
14 US-08-627-820-24
15
16 Query Match 27.8%; Score 50; DB 4; Length 309;
17 Best Local Similarity 42.4%; Pred. No. 28;
18 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
19
20 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
21 |::|::|::|::|::|::|
22 Db 59 QGASAFPTTINFTRQRPSEG--SSSREEGGPS 89
23
24 RESULT 9
25 US-09-066-281B-10
26 Sequence 10, Application US/09066281B
27 Patent No. 6475783
28
29 GENERAL INFORMATION:
30 APPLICANT: LUCAS, Sophie; DE SMET, Charles; BOON-FALLEUR, Thierry
31 TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING
32 TITLE OF INVENTION: FOR TUMOR REJECTION ANTIGEN PRECURSOR MAGE-C1 AND MAGE-C2
33 TITLE OF INVENTION: AND USES THEREOF
34 NUMBER OF SEQUENCES: 20
35 CORRESPONDENCE ADDRESS:
36 ADDRESSEE: Fulbright & Jaworski L.L.P.
37 STREET: 666 Fifth Avenue
38 CITY: New York City
39 STATE: New York
40 COUNTRY: USA
41 ZIP: 10103
42
43 COMPUTER READABLE FORM:
44 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
45 OPERATING SYSTEM: PC-DOS
46 SOFTWARE: Wordperfect
47 CURRENT APPLICATION DATA:
48 APPLICATION NUMBER: US/09/066,281B
49 FILING DATE: April 24, 1998
50 CLASSIFICATION:
51 PRIOR APPLICATION DATA:
52 APPLICATION NUMBER: 08/845,528
53 FILING DATE: April 25, 1997
54 ATTORNEY/AGENT INFORMATION:
55 NAME: Mary Anne Schofield
56 REGISTRATION NUMBER: 36,669
57 REFERENCE/DOCKET NUMBER: LUD 5455.2 US - JEL/MAS
58 TELECOMMUNICATION INFORMATION:
59 TELEPHONE: (212) 318-3100
60 TELEFAX: (212) 752-5958
61 INFORMATION FOR SEQ ID NO: 10:
62 SEQUENCE CHARACTERISTICS:
63 LENGTH: 309
64 TYPE: amino acids
65 STRANDEDNESS: single stranded
66 TOPOLOGY: linear
67 US-09-066-281B-10
68
69 Query Match 27.8%; Score 50; DB 4; Length 309;
70 Best Local Similarity 42.4%; Pred. No. 28;
71 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
72
73 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
74 |::|::|::|::|::|::|
75 Db 59 QGASAFPTTINFTRQRPSEG--SSSREEGGPS 89
76
77 RESULT 9
78 US-09-066-281B-10
79 Sequence 10, Application US/09066281B
80 Patent No. 6475783
81
82 GENERAL INFORMATION:
83 APPLICANT: LUCAS, Sophie; DE SMET, Charles; BOON-FALLEUR, Thierry
84 TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING
85 TITLE OF INVENTION: FOR TUMOR REJECTION ANTIGEN PRECURSOR MAGE-C1 AND MAGE-C2
86 TITLE OF INVENTION: AND USES THEREOF
87 NUMBER OF SEQUENCES: 20
88 CORRESPONDENCE ADDRESS:
89 ADDRESSEE: Fulbright & Jaworski L.L.P.
90 STREET: 666 Fifth Avenue
91 CITY: New York City
92 STATE: New York
93 COUNTRY: USA
94 ZIP: 10103
95
96 COMPUTER READABLE FORM:
97 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
98 OPERATING SYSTEM: PC-DOS
99 SOFTWARE: Wordperfect
100 CURRENT APPLICATION DATA:
101 APPLICATION NUMBER: US/09/066,281B
102 FILING DATE: April 24, 1998
103 CLASSIFICATION:
104 PRIOR APPLICATION DATA:
105 APPLICATION NUMBER: 08/845,528
106 FILING DATE: April 25, 1997
107 ATTORNEY/AGENT INFORMATION:
108 NAME: Mary Anne Schofield
109 REGISTRATION NUMBER: 36,669
110 REFERENCE/DOCKET NUMBER: LUD 5455.2 US - JEL/MAS
111 TELECOMMUNICATION INFORMATION:
112 TELEPHONE: (212) 318-3100
113 TELEFAX: (212) 752-5958
114 INFORMATION FOR SEQ ID NO: 10:
115 SEQUENCE CHARACTERISTICS:
116 LENGTH: 309
117 TYPE: amino acids
118 STRANDEDNESS: single stranded
119 TOPOLOGY: linear
120 US-09-066-281B-10
121
122 Query Match 27.8%; Score 50; DB 4; Length 309;
123 Best Local Similarity 42.4%; Pred. No. 28;
124 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
125
126 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
127 |::|::|::|::|::|::|
128 Db 59 QGASAFPTTINFTRQRPSEG--SSSREEGGPS 89
129
130 RESULT 9
131 US-09-066-281B-10
132 Sequence 10, Application US/09066281B
133 Patent No. 6475783
134
135 GENERAL INFORMATION:
136 APPLICANT: LUCAS, Sophie; DE SMET, Charles; BOON-FALLEUR, Thierry
137 TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING
138 TITLE OF INVENTION: FOR TUMOR REJECTION ANTIGEN PRECURSOR MAGE-C1 AND MAGE-C2
139 TITLE OF INVENTION: AND USES THEREOF
140 NUMBER OF SEQUENCES: 20
141 CORRESPONDENCE ADDRESS:
142 ADDRESSEE: Fulbright & Jaworski L.L.P.
143 STREET: 666 Fifth Avenue
144 CITY: New York City
145 STATE: New York
146 COUNTRY: USA
147 ZIP: 10103
148
149 COMPUTER READABLE FORM:
150 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
151 OPERATING SYSTEM: PC-DOS
152 SOFTWARE: Wordperfect
153 CURRENT APPLICATION DATA:
154 APPLICATION NUMBER: US/09/066,281B
155 FILING DATE: April 24, 1998
156 CLASSIFICATION:
157 PRIOR APPLICATION DATA:
158 APPLICATION NUMBER: 08/845,528
159 FILING DATE: April 25, 1997
160 ATTORNEY/AGENT INFORMATION:
161 NAME: Mary Anne Schofield
162 REGISTRATION NUMBER: 36,669
163 REFERENCE/DOCKET NUMBER: LUD 5455.2 US - JEL/MAS
164 TELECOMMUNICATION INFORMATION:
165 TELEPHONE: (212) 318-3100
166 TELEFAX: (212) 752-5958
167 INFORMATION FOR SEQ ID NO: 10:
168 SEQUENCE CHARACTERISTICS:
169 LENGTH: 309
170 TYPE: amino acids
171 STRANDEDNESS: single stranded
172 TOPOLOGY: linear
173 US-09-066-281B-10
174
175 Query Match 27.8%; Score 50; DB 4; Length 309;
176 Best Local Similarity 42.4%; Pred. No. 28;
177 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
178
179 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
180 |::|::|::|::|::|::|
181 Db 59 QGASAFPTTINFTRQRPSEG--SSSREEGGPS 89
182
183 RESULT 9
184 US-09-066-281B-10
185 Sequence 10, Application US/09066281B
186 Patent No. 6475783
187
188 GENERAL INFORMATION:
189 APPLICANT: LUCAS, Sophie; DE SMET, Charles; BOON-FALLEUR, Thierry
190 TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING
191 TITLE OF INVENTION: FOR TUMOR REJECTION ANTIGEN PRECURSOR MAGE-C1 AND MAGE-C2
192 TITLE OF INVENTION: AND USES THEREOF
193 NUMBER OF SEQUENCES: 20
194 CORRESPONDENCE ADDRESS:
195 ADDRESSEE: Fulbright & Jaworski L.L.P.
196 STREET: 666 Fifth Avenue
197 CITY: New York City
198 STATE: New York
199 COUNTRY: USA
200 ZIP: 10103
201
202 COMPUTER READABLE FORM:
203 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
204 OPERATING SYSTEM: PC-DOS
205 SOFTWARE: Wordperfect
206 CURRENT APPLICATION DATA:
207 APPLICATION NUMBER: US/09/066,281B
208 FILING DATE: April 24, 1998
209 CLASSIFICATION:
210 PRIOR APPLICATION DATA:
211 APPLICATION NUMBER: 08/845,528
212 FILING DATE: April 25, 1997
213 ATTORNEY/AGENT INFORMATION:
214 NAME: Mary Anne Schofield
215 REGISTRATION NUMBER: 36,669
216 REFERENCE/DOCKET NUMBER: LUD 5455.2 US - JEL/MAS
217 TELECOMMUNICATION INFORMATION:
218 TELEPHONE: (212) 318-3100
219 TELEFAX: (212) 752-5958
220 INFORMATION FOR SEQ ID NO: 10:
221 SEQUENCE CHARACTERISTICS:
222 LENGTH: 309
223 TYPE: amino acids
224 STRANDEDNESS: single stranded
225 TOPOLOGY: linear
226 US-09-066-281B-10
227
228 Query Match 27.8%; Score 50; DB 4; Length 309;
229 Best Local Similarity 42.4%; Pred. No. 28;
230 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
231
232 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
233 |::|::|::|::|::|::|
234 Db 59 QGASAFPTTINFTRQRPSEG--SSSREEGGPS 89
235
236 RESULT 9
237 US-09-066-281B-10
238 Sequence 10, Application US/09066281B
239 Patent No. 6475783
240
241 GENERAL INFORMATION:
242 APPLICANT: LUCAS, Sophie; DE SMET, Charles; BOON-FALLEUR, Thierry
243 TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING
244 TITLE OF INVENTION: FOR TUMOR REJECTION ANTIGEN PRECURSOR MAGE-C1 AND MAGE-C2
245 TITLE OF INVENTION: AND USES THEREOF
246 NUMBER OF SEQUENCES: 20
247 CORRESPONDENCE ADDRESS:
248 ADDRESSEE: Fulbright & Jaworski L.L.P.
249 STREET: 666 Fifth Avenue
250 CITY: New York City
251 STATE: New York
252 COUNTRY: USA
253 ZIP: 10103
254
255 COMPUTER READABLE FORM:
256 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
257 OPERATING SYSTEM: PC-DOS
258 SOFTWARE: Wordperfect
259 CURRENT APPLICATION DATA:
260 APPLICATION NUMBER: US/09/066,281B
261 FILING DATE: April 24, 1998
262 CLASSIFICATION:
263 PRIOR APPLICATION DATA:
264 APPLICATION NUMBER: 08/845,528
265 FILING DATE: April 25, 1997
266 ATTORNEY/AGENT INFORMATION:
267 NAME: Mary Anne Schofield
268 REGISTRATION NUMBER: 36,669
269 REFERENCE/DOCKET NUMBER: LUD 5455.2 US - JEL/MAS
270 TELECOMMUNICATION INFORMATION:
271 TELEPHONE: (212) 318-3100
272 TELEFAX: (212) 752-5958
273 INFORMATION FOR SEQ ID NO: 10:
274 SEQUENCE CHARACTERISTICS:
275 LENGTH: 309
276 TYPE: amino acids
277 STRANDEDNESS: single stranded
278 TOPOLOGY: linear
279 US-09-066-281B-10
280
281 Query Match 27.8%; Score 50; DB 4; Length 309;
282 Best Local Similarity 42.4%; Pred. No. 28;
283 Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1;
284
285 QY 3 QSESSTPGSGKETPSDDRSQREHNGES 35
286 |::|::|::|::|::|::|
287 Db 59 QGASAFPT
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DB 59 OGASAFPTTINFTROPSSEG--SSSREBEGPS 89

## RESULT 10

US-09-107-532A-6475  
Sequence 6475, Application US/09107532A  
Patent No. 6583275

## GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESS:  
ADDRESS: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 May 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997

## ATTORNEY/AGENT INFORMATION:

NAME: Arindello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012

## TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277

## INFORMATION FOR SEQ ID NO: 6475:

SEQUENCE CHARACTERISTICS:  
LENGTH: 333 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (B) LOCATION 1..333

US-09-107-532A-6475  
SEQUENCE DESCRIPTION: SEQ ID NO: 6475:

Query Match 27.8%; Score 50; DB 4; Length 333;  
Best Local Similarity 40.5%; Pred. No. 30;

Matches 15; Conservative 5; Mismatches 15; Indels 2; Gaps 1;

QY 1 SFQSSSTPSTGFGSKETPSDDRSQ--SREHMGES 35  
DB 162 STSSSSTSTGSSSTSTSSSSTSTSSSSTES 198

## RESULT 11

US-08-549-004A-5  
Sequence 5, Application US/08549004A  
Patent No. 5969101

## GENERAL INFORMATION:

APPLICANT: PENDERGAST, ANN MARIE  
APPLICANT: DAI, ZONGHAN  
TITLE OF INVENTION: ABL-INTERACTOR PROTEIN  
NUMBER OF SEQUENCES: 15

## CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHVE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/549,004A  
FILING DATE: 27-OCT-1995

## CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 1579-103

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4000

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

FRAGMENT TYPE: linear

US-08-549-004A-5

Query Match 27.8%; Score 50; DB 2; Length 401;  
Best Local Similarity 42.4%; Pred. No. 38;

Matches 14; Conservative 3; Mismatches 14; Indels 2; Gaps 1;

QY 1 SFQSSSTPSTGFGSKETPSDDRSQSRHMG 33  
DB 182 SYVQNRRTYSSSGSGSPHPS--SRSSRENG 212

## RESULT 12

US-09-051-982A-5  
Sequence 5, Application US/09051982A  
Patent No. 6255074

## GENERAL INFORMATION:

APPLICANT: PENDERGAST, ANN MARIE  
APPLICANT: DAI, ZONGHAN  
TITLE OF INVENTION: ABL-INTERACTOR PROTEIN  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESS: NIXON & VANDERHVE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/051,982A

FILING DATE: 08-JUL-1998

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 1579-193

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4000

TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 401 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: linear  
US-09-051-982A-5

Query Match 27.8%; Score 50; DB 3; Length 401;  
Best Local Similarity 42.4%; Pred. No. 38;  
Matches 14; Conservative 3; Mismatches 14; Indels 2; Gaps 1;

OY 1 SFOSESTPTSGFGSGKETPSEDDRSQSRHHMGES 33  
DB 182 SVNQNRRTYSSSGSGSPHPS-SRSSRENSG 212

RESULT 13  
US-09-208-742-4  
Sequence 4, Application US/09208742  
Patent No. 6174679

GENERAL INFORMATION:  
APPLICANT: Kaufmann, Joerg  
TITLE OF INVENTION: CIFI50/HAFI150 is Necessary for Cell  
FILE REFERENCE: 1453.002  
CURRENT APPLICATION NUMBER: US/09/208,742  
CURRENT FILING DATE: 1998-12-10  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 4  
LENGTH: 1261  
TYPE: PRT  
ORGANISM: human  
US-09-208-742-4

Query Match 27.8%; Score 50; DB 3; Length 1261;  
Best Local Similarity 36.7%; Pred. No. 1.5e+02;  
Matches 11; Conservative 5; Mismatches 14; Indels 0; Gaps 0;

OY 6 SSTPSTGFGSGKETPSEDDRSQSRHHMGES 35  
DB 840 NSRGTGSGNGKRERYTENRGSRRHSGET 869

RESULT 14

US-09-332-295-2  
Sequence 2, Application US/09332295  
Patent No. 6303372  
GENERAL INFORMATION:  
APPLICANT: Kaufmann, Joerg  
TITLE OF INVENTION: CIFI30 INHIBITS CELL CYCLE PROGRESSION  
FILE REFERENCE: 200130.456 / 1513.003  
CURRENT APPLICATION NUMBER: US/09/332,295  
CURRENT FILING DATE: 1999-06-11  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 1261  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-332-295-2

Query Match 27.8%; Score 50; DB 4; Length 1261;  
Best Local Similarity 36.7%; Pred. No. 1.5e+02;  
Matches 11; Conservative 5; Mismatches 14; Indels 0; Gaps 0;

OY 6 SSTPSTGFGSGKETPSEDDRSQSRHHMGES 35  
DB 840 NSRGTGSGNGKRERYTENRGSRRHSGET 869

RESULT 15  
US-09-709-979-2  
Sequence 2, Application US/09709979  
Patent No. 6423822

GENERAL INFORMATION:  
APPLICANT: Kaufmann, Joerg  
TITLE OF INVENTION: CIFI30 INHIBITS CELL CYCLE PROGRESSION  
FILE REFERENCE: 200130.456 / 1513.003  
CURRENT APPLICATION NUMBER: US/09/709,979  
CURRENT FILING DATE: 2000-11-09  
PRIOR APPLICATION NUMBER: US 09/332,295  
PRIOR FILING DATE: 1999-06-11  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 1261  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-709-979-2

Query Match 27.8%; Score 50; DB 4; Length 1261;  
Best Local Similarity 36.7%; Pred. No. 1.5e+02;  
Matches 11; Conservative 5; Mismatches 14; Indels 0; Gaps 0;

OY 6 SSTPSTGFGSGKETPSEDDRSQSRHHMGES 35  
DB 840 NSRGTGSGNGKRERYTENRGSRRHSGET 869

Search completed: July 25, 2003, 17:08:16  
Job time: 4.12592 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:43 ; Search time 5.6369 Seconds  
(without alignments)  
737.390 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180  
Sequence: 1 SFQSESTPSTGFGSGKETPSDRSQSRHMGES 35

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications-AA:\*

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- 2: /cgn2\_6/ptodata/2/pubppaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/2/pubppaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/2/pubppaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/2/pubppaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/2/pubppaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/2/pubppaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/2/pubppaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/2/pubppaa/US09A\_PUBCOMB.pep:\*
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- 11: /cgn2\_6/ptodata/2/pubppaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/2/pubppaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/2/pubppaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/2/pubppaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/2/pubppaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/2/pubppaa/US10\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/2/pubppaa/US60\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/2/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	56	31.1	102	9	US-09-864-761-35901
2	53.5	29.7	737	15	US-10-228-931-4
3	52.5	29.2	91	14	US-10-090-035-16
4	51	28.3	42	10	US-09-955-807-9
5	51	28.3	65	10	US-09-955-807-5
6	51	28.3	65	10	US-09-955-807-10
7	51	28.3	77	10	US-09-955-807-4
8	51	28.3	79	10	US-09-955-807-3
9	51	28.3	80	10	US-09-955-807-16
10	51	28.3	89	10	US-09-955-807-15
11	51	28.3	105	10	US-09-955-807-2
12	51	28.3	105	10	US-09-955-807-14
13	51	28.3	758	9	US-09-904-987-5
14	50	27.8	212	11	US-09-764-891-4686
15	50	27.8	253	9	US-09-864-761-37733

16	50	27.8	275	9	US-09-755-456-9	Sequence 9, Appl1
17	50	27.8	309	10	US-09-766-889A-2	Sequence 2, Appl1
18	50	27.8	309	14	US-10-085-108-10	Sequence 10, Appl1
19	50	27.8	413	9	US-09-801-574-2	Sequence 2, Appl1
20	50	27.8	428	15	US-10-156-761-11846	Sequence 11846, A
21	50	27.8	856	10	US-09-738-626-3515	Sequence 3515, A
22	50	27.8	1031	9	US-09-815-242-10932	Sequence 10932, A
23	50	27.8	1261	14	US-10-147-268-2	Sequence 2, Appl1
24	50	27.8	1261	15	US-10-338-279-2	Sequence 2, Appl1
25	50	27.8	1770	9	US-09-841-1332-444	Sequence 444, Appl
26	49.5	27.5	99	9	US-09-216-393-20	Sequence 20, Appl
27	49.5	27.5	232	15	US-10-156-761-12867	Sequence 12867, A
28	49.5	27.5	515	10	US-09-801-368-384	Sequence 184, App
29	49.5	27.5	737	10	US-09-771-161A-195	Sequence 195, App
30	49.5	27.5	1908	15	US-10-128-714-3475	Sequence 3475, App
31	49.5	27.5	2022	15	US-10-128-714-8475	Sequence 8475, App
32	49	27.2	331	9	US-09-815-242-5912	Sequence 5912, App
33	49	27.2	331	9	US-09-815-242-12872	Sequence 12872, A
34	49	27.2	331	9	US-09-815-242-13146	Sequence 13146, A
35	49	27.2	489	9	US-09-876-889-350	Sequence 350, App
36	49	27.2	683	9	US-09-841-132-357	Sequence 357, App
37	49	27.2	821	9	US-09-841-132-195	Sequence 195, App
38	49	27.2	1776	9	US-09-841-132-179	Sequence 179, App
39	49	27.2	2011	15	US-10-176-847-56	Sequence 56, Appl
40	48.5	26.9	550	15	US-10-156-761-14105	Sequence 14105, A
41	48.5	26.9	724	10	US-09-925-300-1053	Sequence 1053, App
42	48	26.7	121	11	US-09-925-300-14135	Sequence 14135, App
43	48	26.7	324	15	US-10-156-761-9761	Sequence 9761, App
44	48	26.7	444	10	US-09-738-626-6577	Sequence 6577, App
45	48	26.7	699	15	US-10-198-070-85	Sequence 85, Appl

#### ALIGNMENTS

RESULT 1  
US-09-864-761-35901  
Sequence 35901, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aeonica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
PRIOR FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 35901  
LENGTH: 102  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AL096678.8  
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.1  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.1  
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9  
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.2  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2  
OTHER INFORMATION: EST\_HUMAN HIT: BE792924.1, EVALUATE 1.40e-01  
US-09-864-761-35901

Query Match 31.1%; Score 56; DB 9; Length 102;  
Best Local Similarity 40.0%; Pred. No. 6.4;  
Matches 12; Conservative 6; Mismatches 8; Indels 4; Gaps 1;  
Db 27 QNESQSPQ-----EPEEGSEDDKAEGEREM 52

RESULT 2  
US-10-228-931-4  
Sequence 4, Application US/10228931  
Publication No. US20030051258A1  
GENERAL INFORMATION:  
APPLICANT: Verma, Ajit K  
APPLICANT: Reddig, Peter J  
APPLICANT: Jansen, Aaron P  
TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma  
FILE REFERENCE: 960296.97613  
CURRENT APPLICATION NUMBER: US/10/228,931  
CURRENT FILING DATE: 2002-08-27  
PRIOR APPLICATION NUMBER: US/09/772,647  
PRIOR FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 737  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: T7 tag and  
OTHER INFORMATION: mouse protein kinase C epsilon coding sequence  
US-10-228-931-4

Query Match 29.7%; Score 53.5; DB 15; Length 737;  
Best Local Similarity 48.0%; Pred. No. 1.2e+02;  
Matches 12; Conservative 5; Mismatches 3; Indels 5; Gaps 1;  
Db 327 AESPQASG-----NSPSEDDRSK 346

RESULT 3  
US-10-090-035-16  
Sequence 16, Application US/10090035  
Publication No. US20020170089A1  
GENERAL INFORMATION:  
APPLICANT: Simmons, Carl R.  
TITLE OF INVENTION: Nucleic Acids Encoding Defense Inductible  
FILE REFERENCE: 35718/242990  
CURRENT APPLICATION NUMBER: US/10/090,035  
CURRENT FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: 60/272,227  
PRIOR FILING DATE: 02/28/2001  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 16  
LENGTH: 91  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-10-090-035-16

Query Match 29.2%; Score 52.5; DB 14; Length 91;  
Best Local Similarity 43.9%; Pred. No. 16;  
Matches 18; Conservative 1; Mismatches 11; Indels 11; Gaps 2;  
Db 11 SEEVRSVTP-TGFGTGGGVOQCHVKEITQEIIDRSSGRH 50

RESULT 4  
US-09-955-807-9  
Sequence 9, Application US/09955807  
Patent No. US20020132996A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Kindvogel, Wayne  
APPLICANT: Bort, Susan J.  
TITLE OF INVENTION: Secretory Protein-48  
FILE REFERENCE: 98-17C1  
CURRENT APPLICATION NUMBER: US/09/955,807  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 60/102,679  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 09/410,603  
PRIOR FILING DATE: 1999-10-01  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 9  
LENGTH: 42  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-955-807-9

Query Match 28.3%; Score 51; DB 10; Length 42;  
Best Local Similarity 52.2%; Pred. No. 10;  
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;  
Db 9 PSTGGFSG-----KETPSEDDRSQ 27

RESULT 5  
US-09-955-807-5  
Sequence 5, Application US/09955807  
Patent No. US20020132996A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
APPLICANT: Sheppard, Paul O.

```

; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretary Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 5
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-5

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Query Match      28.3% Score 51; DB 10; Length 65;
Best Local Similarity 52.2% Pred. No. 17;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

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OY 9 PSTGFGSG----KETPSEDDRSQ 27
   1: 11:1 111 1:1 111
Db 14 PAVTGTGDSGAKETVSQDKRSQ 36

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RESULT 6
US-09-955-807-10
; Sequence 10, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretary Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 10
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-10

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Query Match      28.3% Score 51; DB 10; Length 65;
Best Local Similarity 52.2% Pred. No. 17;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

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OY 9 PSTGFGSG----KETPSEDDRSQ 27
   1: 11:1 111 1:1 111
Db 17 PAVTGTGDSGAKETVSQDKRSQ 39

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RESULT 7
US-09-955-807-4
; Sequence 4, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretary Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807

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; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 4
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-4

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Query Match      28.3% Score 51; DB 10; Length 77;
Best Local Similarity 52.2% Pred. No. 20;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

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```

OY 9 PSTGFGSG----KETPSEDDRSQ 27
   1: 11:1 111 1:1 111
Db 26 PAVTGTGDSGAKETVSQDKRSQ 48

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```

RESULT 8
US-09-955-807-3
; Sequence 3, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretary Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 3
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-3

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Query Match      28.3% Score 51; DB 10; Length 79;
Best Local Similarity 52.2% Pred. No. 21;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

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OY 9 PSTGFGSG----KETPSEDDRSQ 27
   1: 11:1 111 1:1 111
Db 28 PAVTGTGDSGAKETVSQDKRSQ 50

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RESULT 9
US-09-955-807-16
; Sequence 16, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretary Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01

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NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 16  
LENGTH: 80  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-955-807-16

Query Match 28.3% Score 51; DB 10; Length 80;  
Best Local Similarity 52.2% Pred. No. 21;  
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

OY 9 PSTGFGSG---KETPSEDDRSQ 27  
1: 11:1 111 1:1 111  
DB 29 PAVTGFTGDSGAKETVSQDKRSQ 51

RESULT 10  
US-09-955-807-15  
Sequence 15, Application US/09955807  
Patent No. US20020132996A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Kindsvogel, Wayne  
APPLICANT: Bort, Susan J.  
TITLE OF INVENTION: Secretary Protein-48  
FILE REFERENCE: 98-17C1  
CURRENT APPLICATION NUMBER: US/09/955,807  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 60/102,679  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 09/410,603  
PRIOR FILING DATE: 1999-10-01  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 15  
LENGTH: 89  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-955-807-15

Query Match 28.3% Score 51; DB 10; Length 89;  
Best Local Similarity 52.2% Pred. No. 24;  
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

OY 9 PSTGFGSG---KETPSEDDRSQ 27  
1: 11:1 111 1:1 111  
DB 38 PAVTGFTGDSGAKETVSQDKRSQ 60

RESULT 11  
US-09-955-807-2  
Sequence 2, Application US/09955807  
Patent No. US20020132996A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Kindsvogel, Wayne  
APPLICANT: Bort, Susan J.  
TITLE OF INVENTION: Secretary Protein-48  
FILE REFERENCE: 98-17C1  
CURRENT APPLICATION NUMBER: US/09/955,807  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 60/102,679  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 09/410,603  
PRIOR FILING DATE: 1999-10-01  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 105  
TYPE: PRT

ORGANISM: Homo sapiens  
US-09-955-807-2

Query Match 28.3% Score 51; DB 10; Length 105;  
Best Local Similarity 52.2% Pred. No. 28;  
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

OY 9 PSTGFGSG---KETPSEDDRSQ 27  
1: 11:1 111 1:1 111  
DB 54 PAVTGFTGDSGAKETVSQDKRSQ 76

RESULT 12  
US-09-955-807-14  
Sequence 14, Application US/09955807  
Patent No. US20020132996A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Kindsvogel, Wayne  
APPLICANT: Bort, Susan J.  
TITLE OF INVENTION: Secretary Protein-48  
FILE REFERENCE: 98-17C1  
CURRENT APPLICATION NUMBER: US/09/955,807  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 60/102,679  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 09/410,603  
PRIOR FILING DATE: 1999-10-01  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 14  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-955-807-14

Query Match 28.3% Score 51; DB 10; Length 105;  
Best Local Similarity 52.2% Pred. No. 28;  
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

OY 9 PSTGFGSG---KETPSEDDRSQ 27  
1: 11:1 111 1:1 111  
DB 54 PAVTGFTGDSGAKETVSQDKRSQ 76

RESULT 13  
US-09-904-987-5  
Sequence 5, Application US/09904987  
Patent No. US20020037908A1  
GENERAL INFORMATION:  
APPLICANT: No. US20020037908A1actyl, Inc.  
TITLE OF INVENTION: Methods and Compositions for Controlling Pathological and Prep  
FILE REFERENCE: 42108/26146  
CURRENT APPLICATION NUMBER: US/09/904,987  
CURRENT FILING DATE: 2001-07-12  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn Version 3.0  
SEQ ID NO 5  
LENGTH: 758  
TYPE: PRT  
ORGANISM: homo sapiens  
PUBLICATION INFORMATION:  
DATABASE ACCESSION NUMBER: NCBI ENTREZ / NM\_016835  
DATABASE ENTRY DATE: 2001-02-13  
RELEVANT RESIDUES: (1)...(758)  
US-09-904-987-5

Query Match 28.3% Score 51; DB 9; Length 758;  
Best Local Similarity 27.3% Pred. No. 2,5e+02;  
Matches 12; Conservative 7; Mismatches 13; Indels 12; Gaps 1;



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OW protein - protein search, using sw model

Run on: July 25, 2003, 16:45:33 ; Search time 53.448 Seconds

(without alignments)  
569.947 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180  
Sequence: 1 SFQSESTPTSGFGKEMPSRDRSQSRHNGES 35

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 5580241 seqs, 870357830 residues

Total number of hits satisfying chosen parameters: 5580241

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*

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3:	/cgn2_6/ptodata/1/paa/US081.COMB.pep.*
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27:	/cgn2_6/ptodata/1/paa/US081.COMB.pep.*
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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	180	100.0	35	12	US-08-842-385-8
2	180	100.0	35	25	US-09-991-681-29

3	180	100.0	467	12	US-08-842-385-6	Sequence 6, Appl1
4	180	100.0	518	25	US-09-991-681-27	Sequence 27, Appl
5	180	100.0	1770	1	PCT-US03-01943-44	Sequence 44, Appl
6	180	100.0	1770	27	US-10-144-158-44	Sequence 44, Appl
7	180	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
8	180	100.0	1839	30	PCT-US01-42950-495	Sequence 495, App
9	180	100.0	1839	30	US-10-416-993-495	Sequence 495, App
10	180	100.0	1872	1	PCT-US03-04508-32	Sequence 32, Appl
11	180	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, A
12	180	100.0	2221	1	PCT-US03-01943-30	Sequence 30, Appl
13	180	100.0	2221	27	US-10-144-158-30	Sequence 30, Appl
14	143	79.4	141	28	US-10-221-279-7783	Sequence 7783, Ap
15	161	33.9	1061	31	US-09-614-150-4746	Sequence 4746, Ap
16	61	33.9	1061	31	US-60-167-217-4862	Sequence 4862, Ap
17	61	33.9	1061	31	US-60-173-464-3932	Sequence 3932, Ap
18	61	33.9	1061	31	US-60-191-637-4764	Sequence 4764, Ap
19	61	33.9	1061	31	US-60-191-681-3762	Sequence 3762, Ap
20	59	32.8	253	1	PCT-US01-08631-37316	Sequence 37316, A
21	59	32.8	1378	31	US-60-167-217-8500	Sequence 8500, Ap
22	59	32.8	1403	20	US-09-614-150-8412	Sequence 8412, Ap
23	59	32.8	1403	31	US-60-173-464-6811	Sequence 6811, Ap
24	59	32.8	1403	31	US-60-191-637-8436	Sequence 8436, Ap
25	59	32.8	1403	31	US-60-191-681-6552	Sequence 6552, Ap
26	58	32.2	73	1	PCT-US02-32727-4001	Sequence 4001, Ap
27	58	32.2	73	25	US-09-978-825-4001	Sequence 4001, Ap
28	58	32.2	73	26	US-10-057-498-4001	Sequence 4001, Ap
29	58	32.2	245	28	US-10-219-999-55380	Sequence 55380, A
30	58	32.2	245	30	US-10-425-114-66127	Sequence 66127, A
31	58	32.2	366	21	US-09-708-427-73150	Sequence 73150, A
32	58	32.2	514	30	US-10-437-963-119781	Sequence 119781, A
33	57.5	31.9	592	22	US-09-791-537-48904	Sequence 48904, A
34	57.5	31.9	765	30	US-10-438-246-10453	Sequence 10453, A
35	57	31.7	230	30	US-10-438-246-30307	Sequence 30307, A
36	57	31.7	294	31	US-60-312-544-6563	Sequence 6563, Ap
37	57	31.7	345	20	US-09-614-150-37497	Sequence 37497, A
38	57	31.7	345	31	US-60-173-464-28442	Sequence 28442, A
39	57	31.7	345	31	US-60-191-637-37111	Sequence 37111, A
40	57	31.7	345	31	US-60-191-681-28918	Sequence 28918, A
41	57	31.7	388	27	US-10-155-881-18359	Sequence 18359, A
42	57	31.7	410	27	US-10-155-881-31432	Sequence 31432, A
43	57	31.7	410	30	US-10-425-114-40793	Sequence 40793, A
44	57	31.7	410	31	US-60-312-544-7974	Sequence 7974, Ap
45	57	31.7	528	27	US-10-155-881-18358	Sequence 18358, A

## ALIGNMENTS

RESULT 1  
US-08-842-385-8  
Sequence 8, Application US/08842385  
GENERAL INFORMATION:  
APPLICANT: Russell, John  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE PROSTATE  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/842,385  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Potembski, Priscilla E  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 6084 US-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/937-6365  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 35 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
US-08-842-385-6

Query Match 100.0%; Score 180; DB 12; Length 35;  
Best Local Similarity 100.0%; Pred. No. 9.3e-16;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSTPTGTGFGSKETPSDDRSQSRHMGES 35  
DB 1 SF0ESSTPTGTGFGSKETPSDDRSQSRHMGES 35

RESULT 2  
US-09-991-681-29  
Sequence 29, Application US/09991681  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
COHEN, MAURICE  
COLPITTS, TRACEY L.  
FRIEDMAN, PAULA N.  
GORDON, JULIAN  
GRANADOS, EDWARD N.  
HODGES, STEVEN C.  
KLASS, MICHAEL R.  
KRATOCHVIL, JON D.  
ROBERTS-RAP, LISA  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/991.681  
FILING DATE: 26-Nov-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/065.383  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084 US-P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 35 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 29:  
US-09-991-681-29

Query Match 100.0%; Score 180; DB 25; Length 35;  
Best Local Similarity 100.0%; Pred. No. 9.3e-16;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSTPTGTGFGSKETPSDDRSQSRHMGES 35  
DB 1 SF0ESSTPTGTGFGSKETPSDDRSQSRHMGES 35

RESULT 3  
US-08-842-385-6  
Sequence 6, Application US/08842385  
GENERAL INFORMATION:  
APPLICANT: Russell, John  
APPLICANT: Colpitts, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASE OF THE PROSTATE  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/842.385  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Potembski, Priscilla E  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 6084 US-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/937-6365  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 467 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
US-08-842-385-6  
Query Match 100.0%; Score 180; DB 12; Length 467;  
Best Local Similarity 100.0%; Pred. No. 2.4e-14;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



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RESULT 4
US-09-991-681-27
; Sequence 27, Application US/09991681
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GORDON, JULIAN
; GRANADOS, EDWARD N.
; HODGES, STEVEN C.
; KLAAS, MICHAEL R.
; KRATOCHVIL, JON D.
; ROBERTS-RAPP, LISA
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/991,681
; FILING DATE: 26-Nov-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/065,383
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6084.US.PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 518 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: None
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27

Query Match      100.0%; Score 180; DB 25; Length 518;
Best Local Similarity 100.0%; Pred. No. 2,8e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 35
DB 283 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 317

RESULT 5
PCT-US03-01943-44
; Sequence 44, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935

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; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match      100.0%; Score 180; DB 1; Length 1770;
Best Local Similarity 100.0%; Pred. No. 1.3e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 35
DB 1535 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 1569

RESULT 6
US-10-144-198-44
; Sequence 44, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 44
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-44

Query Match      100.0%; Score 180; DB 27; Length 1770;
Best Local Similarity 100.0%; Pred. No. 1.3e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 35
DB 1535 SF0SESTPSTGFGSGKETPSEDSDRSQSRHMGES 1569

RESULT 7
PCT-US01-08631-40087
; Sequence 40087, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: custom
; SEQ ID NO 40087
; LENGTH: 1807
; TYPE: PRT
; ORGANISM: Homo sapiens

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FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (48)..(62)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,  
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39  
NAME/KEY: DOMAIN  
LOCATION: (941)..(950)  
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40087

Query Match  
Best Local Similarity 100.0%; Score 180; DB 1; Length 1807;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 35  
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DB 1572 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 1606

RESULT 8  
PCT-US01-42950-495  
Sequence 495, Application PC/TUS0142950  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: PCT/US01/42950  
CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 09/714,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US01-42950-495

Query Match  
Best Local Similarity 100.0%; Score 180; DB 1; Length 1839;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 35  
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DB 1604 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 1638

RESULT 9  
US-10-416-993-495  
Sequence 495, Application US/10416993  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: US/10/416,993  
CURRENT FILING DATE: 2003-11-16  
PRIOR APPLICATION NUMBER: 09/714,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-416-993-495

Query Match  
Best Local Similarity 100.0%; Score 180; DB 30; Length 1839;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 35  
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DB 1604 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 1638

RESULT 10  
PCT-US03-04508-32  
Sequence 32, Application PC/TUS0304508  
GENERAL INFORMATION:  
APPLICANT: IDEC PHARMACEUTICALS  
TITLE OF INVENTION: GATELY, DENNIS  
TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN  
FILE REFERENCE: 037003/0301985  
CURRENT APPLICATION NUMBER: PCT/US03/04508  
CURRENT FILING DATE: 2003-02-19  
PRIOR APPLICATION NUMBER: 60/357,140  
PRIOR FILING DATE: 2002-02-19  
PRIOR APPLICATION NUMBER: 60/396,082  
PRIOR FILING DATE: 2002-07-17  
PRIOR APPLICATION NUMBER: 60/386,759  
PRIOR FILING DATE: 2002-06-10  
NUMBER OF SEQ ID NOS: 93  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 32  
LENGTH: 1872  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-04508-32

Query Match  
Best Local Similarity 100.0%; Score 180; DB 1; Length 1872;  
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 35  
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DB 1637 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 1671

RESULT 11  
PCT-US01-08631-40090  
Sequence 40090, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40090  
LENGTH: 1982  
TYPE: PRT  
ORGANISM: Homo sapiens

FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (11)..(25)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,  
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.  
NAME/KEY: DOMAIN  
LOCATION: (1065)..(1074)  
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, Pfam score of 7.9  
PCT-US01-08631-40090

Query Match  
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Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0ESSPTSTGTGFGSGKETPSEDDRSQSRHMGES 35  
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DB      1986 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 1720

RESULT 12
PCT-US03-01943-30
; Sequence 30, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-30

Query Match
Best Local Similarity 100.0%; Score 180; DB 1; Length 2221;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 35
DB      1986 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 2020

RESULT 13
US-10-144-198-30
; Sequence 30, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-30

Query Match
Best Local Similarity 100.0%; Score 180; DB 27; Length 2221;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 35
DB      1986 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 2020

RESULT 14
US-10-221-279-7783
; Sequence 7783, Application US/10221279
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides

DB      1986 SF0SESTPSTGTGFGSKETPSEDNRSSQREHMGES 1720

RESULT 15
US-09-614-150-4746
; Sequence 4746, Application US/09614150
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/09/614,150
; CURRENT FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4746
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-09-614-150-4746

Query Match
Best Local Similarity 33.9%; Score 61; DB 20; Length 1061;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY      4 SF0SESTPSTGTGFGSKETPSEDNRSSQRE 30
DB      39 SKSRPSAGVVIDETOSSEESQSSSE 65
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Mon Jul 28 08:56:36 2003

us-09-991-681-29.rapm

Page 6

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

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Title: US-09-991-681-29

Sequence: 1 SFQSSSPSTGSGKFTPEDDRSQREHMGES 35

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Post-processing: Minimum Match 0%  
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4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	180	100.0	1872	6	US-10-367-978-32
2	56	31.1	2047	6	US-10-370-480-28
3	56	31.1	5596	7	US-60-479-073-296
4	50.5	28.1	233	6	US-10-273-573-9796
5	50	27.8	1419	1	PCR-US02-35624-173
6	48	27.2	817	6	US-10-273-573-8906
7	48	26.7	402	6	US-10-294-433-286
8	47	26.1	301	6	US-10-273-573-10678
9	47	26.1	1189	6	US-10-273-573-8991
10	46.5	25.8	424	7	US-60-478-196-3144
11	46.5	25.8	743	1	PCR-US02-186384-188
12	46	25.6	186	6	US-10-372-209-12
13	46	25.6	282	6	US-10-372-209-13
14	46	25.6	282	6	US-10-372-209-18
15	45	25.6	565	6	US-10-380-565-34
16	45	25.0	137	6	US-10-273-573-6227
17	45	25.0	137	6	US-10-273-573-10834
18	45	25.0	442	6	US-10-294-433-293
19	44.5	24.7	174	6	US-10-273-573-6423
20	44.5	24.7	917	6	US-10-294-433-396
21	44.5	24.7	979	1	PCR-US03-19743-2
22	44	24.4	47	6	US-10-323-069A-135
23	44	24.4	306	6	US-10-294-433-841
24	44	24.4	450	6	US-10-273-573-8451
25	44	24.4	915	6	US-10-331-496A-68
26	44	24.4	967	6	US-10-331-496A-95

## ALIGNMENTS

27	43.5	24.2	250	6	US-10-273-573-7905	Sequence 7905, Ap
28	43.5	24.2	846	7	US-60-478-196-3082	Sequence 3082, Ap
29	43	23.9	937	7	US-60-478-196-3207	Sequence 3207, Ap
30	43	23.9	1994	6	US-10-294-433-339	Sequence 339, App
31	43	23.9	2041	6	US-10-294-433-338	Sequence 338, App
32	42.5	23.6	131	6	US-10-273-573-7534	Sequence 7534, Ap
33	42.5	23.6	131	6	US-10-273-573-7876	Sequence 7876, Ap
34	42.5	23.6	402	5	US-09-635-359B-19	Sequence 19, Appl
35	42.5	23.6	609	7	US-60-478-196-3261	Sequence 3261, Ap
36	42.5	23.6	609	7	US-60-478-073-439	Sequence 439, App
37	42.5	23.6	753	7	US-60-479-073-437	Sequence 437, App
38	42.5	23.6	793	1	PCR-US03-11867-4	Sequence 4, Appl1
39	42	23.3	74	6	US-10-273-573-7515	Sequence 7515, Ap
40	42	23.3	140	6	US-10-273-573-10371	Sequence 10371, A
41	42	23.3	630	7	US-60-478-196-3344	Sequence 3344, Ap
42	42	23.3	787	6	US-10-372-227-43	Sequence 43, Appl
43	42	23.3	1627	6	US-10-433-757-5	Sequence 5, Appl1
44	41.5	23.1	152	6	US-10-294-433-849	Sequence 849, App
45	41.5	23.1	282	6	US-10-273-573-8747	Sequence 8747, Ap

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RESULT 1
US-10-367-978-32
; Sequence 32, Application US/10367978
; GENERAL INFORMATION:
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003-0301988
; CURRENT APPLICATION NUMBER: US/10/367, 978
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396, 082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386, 759
; PRIOR FILING DATE: 2002-06-10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-978-32

Query Match      100.0%; Score 180; DB 6; Length 1872;
Best Local Similarity 100.0%; Pred. No. 1.4e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SFQSSSPSTGSGKFTPEDDRSQREHMGES 35.
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Db      1637 SFQSSSPSTGSGKFTPEDDRSQREHMGES 1671

RESULT 2
US-10-370-480-28
; Sequence 28, Application US/10370480
; GENERAL INFORMATION:
; APPLICANT: Hitachi Ltd.
; TITLE OF INVENTION: APOB INTERACTING PROTEINS AND USE THEREOF
; FILE REFERENCE: HITA.0167
; CURRENT APPLICATION NUMBER: US/10/370,480
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/358,319
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/407,252
; PRIOR FILING DATE: 2002-09-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28

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Db          77  ARSNAPTAGGRREDREDVEDYRSRAR 102

RESULT 9
US-10-273-573-8991
: Sequence 8991, Application US/10273573
: GENERAL INFORMATION:
:   APPLICANT: Hyseq, Inc
:   TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
:   FILE REFERENCE: 21272-066
:   CURRENT APPLICATION NUMBER: US/10/273,573
:   PRIOR FILING DATE: 2002-10-18
:   PRIOR APPLICATION NUMBER: 09/522,929
:   PRIOR FILING DATE: 2000-04-18
:   PRIOR APPLICATION NUMBER: 09/770,160
:   PRIOR FILING DATE: 2001-01-26
:   NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 8991
:   LENGTH: 1189
:   TYPE: PRT
:   ORGANISM: Homo sapiens
: FEATURE:
:   NAME/KEY: DOMAIN
:   LOCATION: (643)..(669)
:   OTHER INFORMATION: CORONAVIRUS NUCLEOCAPSID PROTEIN domain identified by
:   OTHER INFORMATION: EMATPIX, accession number DM012068, p-value=4.646e-09, raw score
:   OTHER INFORMATION: 10.69
US-10-273-573-8991

Query Match          26.18; Score 47; DB 6; Length 1189;
Best Local Similarity 42.38; Pred. No. 60;
Matches 11; Conservative 3; Mismatches 12; Indels 0; Gaps 0;

OY          3  QSESSPTGTGFGSGKETPSEDDRSOS 28
Db          514  RSRHSPSTTWSPKKDTPOEKKRPOS 539

RESULT 10
US-60-478-196-3144
: Sequence 3144, Application US/60478196
: GENERAL INFORMATION:
:   APPLICANT: Jiang, Bo
:   APPLICANT: Lemieux, Sebastien
:   APPLICANT: Hu, Mengqi
:   APPLICANT: Roemer, Terry
:   TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF ASPERGILLUS FUMIGATUS AND
:   TITLE OF INVENTION: USE
:   FILE REFERENCE: 10182-026-888
:   CURRENT APPLICATION NUMBER: US/60/478,196
:   CURRENT FILING DATE: 2003-06-13
:   NUMBER OF SEQ ID NOS: 4000
: SOFTWARE: Patentin version 3.1
: SEQ ID NO 3144
:   LENGTH: 424
:   TYPE: PRT
:   ORGANISM: Aspergillus fumigatus
US-60-478-196-3144

Query Match          25.88; Score 46.5; DB 7; Length 424;
Best Local Similarity 39.48; Pred. No. 23;
Matches 13; Conservative 2; Mismatches 17; Indels 1; Gaps 1;

OY          3  QSESSPTGTGFGSGKETPSEDDRSOSREHMGES 35
Db          17  QNPESTPTPA-SKSSASPTPTSTEDSNSNMSS 48

RESULT 11
PCT-US02-18638A-188
: Sequence 188, Application PC/TUS0218638A
: GENERAL INFORMATION:

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APPLICANT: Millennium Pharmaceuticals, Inc. et al.  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
FILE REFERENCE: MRI-035PC  
CURRENT APPLICATION NUMBER: PCT/US02/18638A  
PRIORITY FILING DATE: 2002-06-12  
PRIORITY FILING DATE: 2001-06-13  
PRIORITY FILING DATE: 2001-06-13  
PRIORITY FILING DATE: 2001-06-13  
PRIORITY FILING DATE: 2001-11-14  
NUMBER OF SEQ ID NOS: 238  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 188  
LENGTH: 743  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US02-18638A-188

Query Match 25.8%; Score 46.5; DB 1; Length 743;  
Best Local Similarity 38.2%; Pred. No. 42;  
Matches 13; Conservative 6; Mismatches 10; Indels 5; Gaps 1;

OY 1 SFOSESTPSTGCGFSGKE---TPSEDDRSQSR 29  
Db 629 SRSSSSSSSTGCGSSSRDSSSTSSSESRSR 662

RESULT 12  
US-10-372-209-12  
Sequence 12, Application US/10372209  
GENERAL INFORMATION:  
APPLICANT: Hitachi, Ltd.  
TITLE OF INVENTION: RBMS-INTERACTING PROTEINS AND USE THEREOF  
FILE REFERENCE: HITA.0169  
CURRENT APPLICATION NUMBER: US/10/372,209  
CURRENT FILING DATE: 2003-02-25  
PRIORITY FILING DATE: 2002-02-25  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 12  
LENGTH: 186  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-372-209-12

Query Match 25.6%; Score 46; DB 6; Length 186;  
Best Local Similarity 33.3%; Pred. No. 11;  
Matches 10; Conservative 7; Mismatches 11; Indels 2; Gaps 1;  
OY 1 SFOSESTPSTGCGFSGKETPSEDDRSQSR 30  
Db 132 TFININSIPPT--FDGEPEPSQGVKEOE 159

RESULT 13  
US-10-372-209-13  
Sequence 13, Application US/10372209  
GENERAL INFORMATION:  
APPLICANT: Hitachi, Ltd.  
TITLE OF INVENTION: RBMS-INTERACTING PROTEINS AND USE THEREOF  
FILE REFERENCE: HITA.0169  
CURRENT APPLICATION NUMBER: US/10/372,209  
CURRENT FILING DATE: 2003-02-25  
PRIORITY FILING DATE: 2002-02-25  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 13  
LENGTH: 282

TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-372-209-13

Query Match 25.6%; Score 46; DB 6; Length 282;  
Best Local Similarity 33.3%; Pred. No. 17;  
Matches 10; Conservative 7; Mismatches 11; Indels 2; Gaps 1;

OY 1 SFOSESTPSTGCGFSGKETPSEDDRSQSR 30  
Db 132 TFININSIPPT--FDGEPEPSQGVKEOE 159

RESULT 14  
US-10-372-209-18  
Sequence 18, Application US/10372209  
GENERAL INFORMATION:  
APPLICANT: Hitachi, Ltd.  
TITLE OF INVENTION: RBMS-INTERACTING PROTEINS AND USE THEREOF  
FILE REFERENCE: HITA.0169  
CURRENT APPLICATION NUMBER: US/10/372,209  
CURRENT FILING DATE: 2003-02-25  
PRIORITY FILING DATE: 2002-02-25  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 18  
LENGTH: 282  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-372-209-18

Query Match 25.6%; Score 46; DB 6; Length 282;  
Best Local Similarity 33.3%; Pred. No. 17;  
Matches 10; Conservative 7; Mismatches 11; Indels 2; Gaps 1;

OY 1 SFOSESTPSTGCGFSGKETPSEDDRSQSR 30  
Db 132 TFININSIPPT--FDGEPEPSQGVKEOE 159

RESULT 15  
US-10-380-565-34  
Sequence 34, Application US/10380565  
GENERAL INFORMATION:  
APPLICANT: Cooper, Joseph I  
TITLE OF INVENTION: Method and primers for detecting viral genes  
FILE REFERENCE: 0380-P03134US0  
CURRENT APPLICATION NUMBER: US/10/380,565  
CURRENT FILING DATE: 2003-06-17  
PRIORITY FILING DATE: 2001-09-10  
PRIORITY FILING DATE: 2000-09-14  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 34  
LENGTH: 565  
TYPE: PRT  
ORGANISM: CABV  
US-10-380-565-34

Query Match 25.6%; Score 46; DB 6; Length 565;  
Best Local Similarity 42.4%; Pred. No. 36;  
Matches 14; Conservative 5; Mismatches 12; Indels 2; Gaps 1;

OY 2 FOSSESTPSTGCGFSGKETPSEDDRSQSRHME 34  
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GenCore version 5.1.6  
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Perfect score: 215

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3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCUTS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215	100.0	40	US-09-065-383-30	Sequence 30, Appl
2	215	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	57	26.5	275	US-09-328-352-5591	Sequence 5591, Ap
4	55.5	25.8	244	US-09-107-532A-3889	Sequence 3889, Ap
5	55	25.6	351	US-09-431-976-2	Sequence 2, Appl
6	55	25.6	351	US-09-021-286-2	Sequence 2, Appl
7	52.5	24.0	234	US-09-296-734-2	Sequence 2, Appl
8	51.5	24.0	489	US-09-986-536-2	Sequence 2, Appl
9	51	23.7	528	US-08-793-229-35	Sequence 35, Appl
10	51	23.7	528	US-09-285-957-35	Sequence 35, Appl
11	51	23.7	1729	US-09-553-690-2	Sequence 2, Appl
12	51	23.7	4544	US-08-469-486-52	Sequence 52, Appl
13	51	23.7	4544	US-08-469-658-52	Sequence 52, Appl
14	50.5	23.5	489	US-09-545-814-29	Sequence 29, Appl
15	50.5	23.5	631	US-09-107-532A-6640	Sequence 6640, Ap
16	50.5	23.5	995	US-08-673-789-5	Sequence 5, Appl
17	50	23.3	92	US-08-713-939A-79	Sequence 79, Appl
18	50	23.3	92	US-09-036-579-79	Sequence 79, Appl
19	50	23.3	92	US-09-550-374-79	Sequence 79, Appl
20	50	23.3	92	US-09-943-906-79	Sequence 79, Appl
21	50	23.3	291	US-08-568-459A-13	Sequence 13, Appl
22	50	23.3	291	US-08-487-826B-25	Sequence 25, Appl
23	50	23.3	291	US-09-210-288-13	Sequence 13, Appl
24	50	23.3	397	US-08-774-104A-2	Sequence 2, Appl
25	50	23.3	1115	US-08-568-459A-2	Sequence 2, Appl
26	50	23.3	1115	US-08-487-826B-2	Sequence 2, Appl
27	50	23.3	1115	US-09-210-288-2	Sequence 2, Appl

28	50	23.3	1115	6	5198347-6	Patent No. 5198347
29	49.5	23.0	147	4	US-09-252-991A-23806	Sequence 23806, A
30	49	22.8	220	4	US-09-252-991A-22823	Sequence 22823, A
31	49	22.8	476	4	US-09-346-408-12	Sequence 12, Appl
32	49	22.8	970	2	US-08-673-789-7	Sequence 7, Appl
33	49	22.8	973	1	US-08-162-809-8	Sequence 8, Appl
34	49	22.8	973	1	US-08-162-809-10	Sequence 10, Appl
35	49	22.8	988	1	US-08-162-809-14	Sequence 14, Appl
36	49	22.8	995	1	US-08-162-809-18	Sequence 18, Appl
37	49	22.8	1011	1	US-08-162-809-12	Sequence 12, Appl
38	48.5	22.6	261	1	US-08-624-125-18	Sequence 18, Appl
39	48.5	22.6	261	4	US-08-937-155-18	Sequence 18, Appl
40	48.5	22.6	569	1	US-08-306-231-3	Sequence 3, Appl
41	48.5	22.6	672	3	US-09-040-843-4	Sequence 4, Appl
42	48.5	22.6	672	4	US-09-621-855-4	Sequence 4, Appl
43	48.5	22.6	866	3	US-09-040-843-2	Sequence 2, Appl
44	48.5	22.6	866	4	US-09-621-855-2	Sequence 2, Appl
45	48.5	22.6	896	2	US-08-640-389A-10	Sequence 10, Appl

## ALIGNMENTS

RESULT 1  
US-09-065-383-30  
Sequence 30, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: KRATOCHVIL, R. LISA  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESS: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-30

Query Match 100.0%; Score 215; DB 4; Length 40;  
Best Local Similarity 100.0%; Pred. No. 5.0e-23;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPVKKDPSSRRKKEMWENAGNKIYTMAADKITSKLMTEYK 40  
Db 1 SPVKKDPSSRRKKEMWENAGNKIYTMAADKITSKLMTEYK 40

RESULT 2  
US-09-065-383-27  
Sequence 27, Application US/09065383  
Patent No. 6391543

GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANDOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLASS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084, US, P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-27

Query Match 100.0%; Score 215; DB 4; Length 518;  
Best Local Similarity 100.0%; Pred. No. 1.3e-21;

Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 SPVKKDPSSRRKKEMWENAGNKIYTMAADKITSKLMTEYK 40  
Db 332 SPVKKDPSSRRKKEMWENAGNKIYTMAADKITSKLMTEYK 371

RESULT 3  
US-09-328-352-5591  
Sequence 5591, Application US/09328352  
Patent No. 6562958

GENERAL INFORMATION:  
APPLICANT: Gary L. Breton et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
TITLE OF INVENTION: BAUMANNIT FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC99-03PA  
CURRENT APPLICATION NUMBER: US/09/328,352  
CURRENT FILING DATE: 1999-06-04  
NUMBER OF SEQ ID NOS: 8252  
SEQ ID NO 5591  
LENGTH: 275  
TYPE: PRT  
ORGANISM: Acinetobacter baumannii  
US-09-328-352-5591

Query Match 26.5%; Score 57; DB 4; Length 275;  
Best Local Similarity 45.5%; Pred. No. 4.1;  
Matches 10; Conservative 4; Mismatches 6; Indels 2; Gaps 1;

Qy 2 PVYKKDPSSRRKKEMWENAGNKI 23  
Db 246 PVYKKDPSSRRKKEMWENAGNKI 265

RESULT 4

US-09-107-532A-3889  
Sequence 3889, Application US/09107532A  
Patent No. 6583275

GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
City: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 May 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Arinello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 3889:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 244 amino acids

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (B) LOCATION 1...244
; SEQUENCE DESCRIPTION: SEQ ID NO: 3889:
US-09-107-532A-3889

Query Match          25.8%; Score 55.5; DB 4; Length 244;
Best Local Similarity 31.8%; Pred. No. 5.7;
Matches 14; Conservative 7; Mismatches 16; Indels 7; Gaps 1;

QY 3 KVEKKDPSRKKEWENAGNKIYT-----MAADKTSIKLMTY 39
DB 59 KLVSYDKDKAKKEYWEKAKKELGVDSLEFDLMASDDSSKRVIEY 102

RESULT 5
US-09-431-976-2
; Sequence 2, Application US/09431976
; Patent No. 6423520
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark
; APPLICANT: Mendu, Nandini
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Regulation of Quinolinate Phosphoribosyl Transferase
; FILE REFERENCE: 5051-338
; CURRENT APPLICATION NUMBER: US/09/431,976
; CURRENT FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 09/021,286
; PRIOR FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: 60/049,471
; PRIOR FILING DATE: 1997-06-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Nicotiana tabacum
US-09-431-976-2

Query Match          25.6%; Score 55; DB 4; Length 351;
Best Local Similarity 52.9%; Pred. No. 10;
Matches 9; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 8 DPSRKKEWENAGNKIYT 24
DB 106 DPSLKVEWYVNDGKVH 122

RESULT 6
US-09-021-286-2
; Sequence 2, Application US/09021286B
; Patent No. 6586661
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark
; APPLICANT: Mendu, Nandini
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Regulation of Quinolinate Phosphoribosyl Transferase
; FILE REFERENCE: 5051-338
; CURRENT APPLICATION NUMBER: US/09/021,286B
; CURRENT FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: 60/049,471
; PRIOR FILING DATE: 1997-06-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2

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; LENGTH: 351
; TYPE: PRT
; ORGANISM: Nicotiana tabacum
US-09-021-286-2

Query Match          25.6%; Score 55; DB 4; Length 351;
Best Local Similarity 52.9%; Pred. No. 10;
Matches 9; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 8 DPSRKKEWENAGNKIYT 24
DB 106 DPSLKVEWYVNDGKVH 122

RESULT 7
US-09-296-754-2
; Sequence 2, Application US/09296754A
; Patent No. 6316695
; GENERAL INFORMATION:
; APPLICANT: Korea Kumho Petrochemical Co. Ltd.
; TITLE OF INVENTION: Isopentenyl diphosphate isomerase from Hevea Brasiliensis
; FILE REFERENCE: PX9102/US
; CURRENT APPLICATION NUMBER: US/09/296,754A
; CURRENT FILING DATE: 1999-04-22
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: KOPATIN 1.0
; SEQ ID NO 2
; LENGTH: 234
; TYPE: PRT
; ORGANISM: IP1Hb (IPP isomerase from Hevea brasiliensis)
US-09-296-754-2

Query Match          24.4%; Score 52.5; DB 4; Length 234;
Best Local Similarity 52.2%; Pred. No. 14;
Matches 12; Conservative 1; Mismatches 9; Indels 1; Gaps 1;

QY 14 EWMENAGNKIYMAAD-KTISKL 35
DB 211 KWMENENGTLEKAVDMKTIHKL 233

RESULT 8
US-09-986-536-2
; Sequence 2, Application US/09986536
; Patent No. 6461841
; GENERAL INFORMATION:
; APPLICANT: GEUEKE, BIRGIT
; APPLICANT: HUMMEL, WERNER
; APPLICANT: BOMMARIUS, ANDREAS
; TITLE OF INVENTION: L-Amino Acid Oxidase from Rhodococcus Species
; FILE REFERENCE: 215209US0X
; CURRENT APPLICATION NUMBER: US/09/986,536
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: DE 100 55 512.8
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Rhodococcus opacus
US-09-986-536-2

Query Match          24.0%; Score 51.5; DB 4; Length 489;
Best Local Similarity 35.6%; Pred. No. 47;
Matches 16; Conservative 6; Mismatches 14; Indels 9; Gaps 3;

QY 3 KVEKKDPSRK-----KWMENAGNKIYMAA--DKTISKIEMTY 39
DB 313 KAAKPSGGKLGIEYSRRWETE-DRIYGCASNTDIDISQINPEY 356

RESULT 9

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US-08-793-229-35  
; Sequence 35, Application US/08793229  
; Patent No. 5891703  
; GENERAL INFORMATION:  
; APPLICANT: VAN DER LAAN, Jan Metske  
; APPLICANT: RIEMENS, Adriana Marina  
; APPLICANT: OUAH, Wilhelmus Johannes  
; TITLE OF INVENTION: Mutated Penicillin G Acylase Genes  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff  
; STREET: 300 South Wacker Drive  
; CITY: Chicago  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/793,229  
; FILING DATE: 23-APR-1997  
; CLASSIFICATION: 435  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP95/03249  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION: 97075  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312)913-0001  
; TELEFAX: (312)913-0002  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 528 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-793-229-35

Query Match 23.7%; Score 51; DB 2; Length 528;  
Best Local Similarity 27.7%; Pred. No. 61;  
Matches 13; Conservative 3; Mismatches 11; Indels 20; Gaps 1;

QY 14 EWMENAGNKIY-----TMAADTKISKLMTEYK 40  
||| | :||: | ||| | |||  
Db 355 EWMNNLHDKLFMDLGDFYGTGTRKTTDHRGASLAKYNISKESTNYK 401

RESULT 10  
US-09-285-957-35  
; Sequence 35, Application US/09285957  
; Patent No. 6033823  
; GENERAL INFORMATION:  
; APPLICANT: VAN DER LAAN, Jan Metske  
; APPLICANT: RIEMENS, Adriana Marina  
; APPLICANT: OUAH, Wilhelmus Johannes  
; TITLE OF INVENTION: Mutated Penicillin G Acylase Genes  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff  
; STREET: 300 South Wacker Drive  
; CITY: Chicago  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/285,957  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/793,229  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; REFERENCE/DOCKET NUMBER: 97075  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312)913-0001  
; TELEFAX: (312)913-0002  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 528 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-285-957-35

Query Match 23.7%; Score 51; DB 3; Length 528;  
Best Local Similarity 27.7%; Pred. No. 61;  
Matches 13; Conservative 3; Mismatches 11; Indels 20; Gaps 1;

QY 14 EWMENAGNKIY-----TMAADTKISKLMTEYK 40  
||| | :||: | ||| | |||  
Db 355 EWMNNLHDKLFMDLGDFYGTGTRKTTDHRGASLAKYNISKESTNYK 401

RESULT 11  
US-09-553-690-2  
; Sequence 2, Application US/09553690  
; Patent No. 6476296  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Robert L.  
; APPLICANT: Choi, Yeonhee  
; APPLICANT: Hannon, Mike  
; TITLE OF INVENTION: The Regents of the University of California  
; TITLE OF INVENTION: Nucleic Acids That Control Seed and  
; FILE REFERENCE: 023070-099900US  
; CURRENT APPLICATION NUMBER: US/09/553,690  
; CURRENT FILING DATE: 2000-04-21  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 1729  
; TYPE: PRT  
; ORGANISM: Arabidopsis sp.  
; FEATURE:  
; OTHER INFORMATION: ATROPOS (ATR) amino acid sequence  
US-09-553-690-2

Query Match 23.7%; Score 51; DB 4; Length 1729;  
Best Local Similarity 32.3%; Pred. No. 2.6e+02;  
Matches 10; Conservative 10; Mismatches 9; Indels 2; Gaps 2;

QY 5 EKKDPSRRKKEMWENAGNKIYTMAADTKISKL 35  
|:|:| |:|:|:| | :||:| | |||  
Db 722 EKKD-KKKERWEEE-RRVFRGRADSPRIARK 750

RESULT 12  
US-08-469-486-52  
; Sequence 52, Application US/08469486  
; Patent No. 5739281  
; GENERAL INFORMATION:  
; APPLICANT: Thøgersen, Hans Christian  
; APPLICANT: Hollet, Thor Las  
; APPLICANT: Etzerodt, Michael  
; TITLE OF INVENTION: Improved method for the refolding of  
; TITLE OF INVENTION: proteins

NUMBER OF SEQUENCES: 58  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version  
SOFTWARE: #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,486  
FILING DATE:  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/192,060  
FILING DATE: February 4, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Paul T. Clark  
REGISTRATION NUMBER: 30,162  
REFERENCE/DOCKET NUMBER: 06363/002001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 542 5070  
TELEFAX: 617 542 8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 52:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4544 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-469-486-52

Query Match 23.7%; Score 51; DB 1; Length 4544;  
Best Local Similarity 36.4%; Pred. No. 8.3e+02;  
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

QY 8 DPSRKKEWMENAGN--KIYTMADKTISKLMTE 38  
DB 4009 DPLRGTMWSDMGNHKRIETAMDGTLRETLVQ 4041

RESULT 13  
US-08-469-658-52  
Sequence 52, Application US/08469658  
Patent No. 5917018  
GENERAL INFORMATION:  
APPLICANT: Th egeresen, Hans Christian  
APPLICANT: Holteit, Thor Las  
TITLE OF INVENTION: IMPROVED METHOD FOR THE REPOLOING OF  
TITLE OF INVENTION: PROTEINS  
NUMBER OF SEQUENCES: 58  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version  
SOFTWARE: #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,658

FILING DATE: June 5, 1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/192,060  
FILING DATE: February 4, 1994  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Paul T. Clark  
REGISTRATION NUMBER: 30,162  
REFERENCE/DOCKET NUMBER: 06363/002002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 542 5070  
TELEFAX: 617 542 8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 52:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4544 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-469-658-52

Query Match 23.7%; Score 51; DB 2; Length 4544;  
Best Local Similarity 36.4%; Pred. No. 8.3e+02;  
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

QY 8 DPSRKKEWMENAGN--KIYTMADKTISKLMTE 38  
DB 4009 DPLRGTMWSDMGNHKRIETAMDGTLRETLVQ 4041

RESULT 14  
US-09-545-814-29  
Sequence 29, Application US/09545814  
Patent No. 6416977  
GENERAL INFORMATION:  
APPLICANT: Becher, Anna M.  
TITLE OF INVENTION: FLEA CHITINASE NUCLEIC ACID MOLECULES, PROTEINS AND  
FILE REFERENCE: FC-5-C1  
CURRENT APPLICATION NUMBER: US/09/545,814  
CURRENT FILING DATE: 2000-04-07  
PRIOR APPLICATION NUMBER: 60/128,833  
PRIOR FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 40  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 29  
LENGTH: 489  
TYPE: PRT  
ORGANISM: Tagged Ctenocephalides felis  
US-09-545-814-29

Query Match 23.5%; Score 50.5; DB 4; Length 489;  
Best Local Similarity 29.8%; Pred. No. 65;  
Matches 14; Conservative 6; Mismatches 16; Indels 11; Gaps 2;

QY 5 EKKDPSRRK---EWMENAGNKIYTMADK-----TISKLMTEYK 40  
DB 29 DDKDPVKLQIAGVGMAEGKKYSTVVAEKRKRSAFIRSVVDPMNEYK 75

RESULT 15  
US-09-107-532A-6640  
Sequence 6640, Application US/09107532A  
Patent No. 6583275  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION

STREET: 100 Beaver Street  
 CITY: Waltham  
 STATE: Massachusetts  
 COUNTRY: USA  
 ZIP: 02354  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: CD-ROM ISO9660  
 COMPUTER: PC  
 OPERATING SYSTEM: <Unknown>  
 SOFTWARE: ASCII  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/107,532A  
 FILING DATE: 30-Jun-1998  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/085,598  
 FILING DATE: 14 May 1998  
 APPLICATION NUMBER: 60/051571  
 FILING DATE: July 2, 1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Atinello, Pamela Deneke  
 REGISTRATION NUMBER: 40,489  
 REFERENCE/DOCKET NUMBER: GTC-012  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (781)893-5007  
 TELEFAX: (781)893-8277  
 INFORMATION FOR SEQ ID NO: 6640:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 631 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHEICAL: YES  
 ORIGINAL SOURCE:  
 ORGANISM: Enterococcus faecium  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (B) LOCATION 1..631  
 SEQUENCE DESCRIPTION: SEQ ID NO: 6640:  
 US-09-107-532A-6640

Query Match 23.5%; Score 50.5; DB 4; Length 631;  
 Best Local Similarity 29.5%; Pred. No. 88;  
 Matches 13; Conservative 10; Mismatches 12; Indels 9; Gaps 2;  
 QY 2 PKVEKDPSSRKKEW-----WENAGNKIYTMADKTIISKLMTE 38  
 DB 549 PKIOSKEPAEKRLSYMEOKEMETIDEIAEL--EKISILQEE 590

Search completed: July 25, 2003, 17:08:17  
 Job time : 4.57247 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:43 ; Search time 6.44217 Seconds

(without alignments)  
737.390 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215  
Sequence: 1 SPKYEKKDPSRRKKEMWENAGNKIYTMADKTIKLMTEYK 40

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Published\_Applications\_AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PTCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
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9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep:\*  
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11: /cgn2\_6/ptodata/2/pubpaa/US09C\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
16: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	59.5	27.7	388	9 US-09-815-242-11623	Sequence 11623, A
2	56.5	26.3	388	9 US-09-815-242-11458	Sequence 11458, A
3	56.5	26.3	388	10 US-09-881-752A-350	Sequence 350, App
4	55	25.6	351	10 US-09-963-340-2	Sequence 2, Appli
5	54	25.1	566	15 US-10-156-761-9082	Sequence 9082, App
6	53	24.7	462	10 US-09-712-363-709	Sequence 209, App
7	52.5	24.4	231	15 US-10-050-704-106	Sequence 106, App
8	52	24.2	336	15 US-10-160-293-4	Sequence 4, Appli
9	52	24.2	396	15 US-10-160-293-2	Sequence 67, Appli
10	52	24.2	468	11 US-09-931-836-67	Sequence 67, Appli
11	52	24.2	468	13 US-10-036-342-67	Sequence 67, Appli
12	52	24.2	468	14 US-10-006-867-150	Sequence 150, App
13	52	24.2	468	14 US-10-077-040-1	Sequence 1, Appli
14	52	24.2	468	14 US-10-063-547-150	Sequence 150, App
15	52	24.2	468	14 US-10-036-041-67	Sequence 67, Appli

16	52	24.2	468	15 US-10-028-072-90	Sequence 90, Appli
17	52	24.2	468	15 US-10-035-855-67	Sequence 67, Appli
18	52	24.2	468	15 US-10-063-616-150	Sequence 150, App
19	52	24.2	468	15 US-10-121-049-90	Sequence 90, Appli
20	52	24.2	468	15 US-10-123-904-80	Sequence 90, Appli
21	52	24.2	468	15 US-10-140-470-90	Sequence 90, Appli
22	52	24.2	468	15 US-10-063-502-150	Sequence 150, App
23	52	24.2	468	15 US-10-175-746-90	Sequence 90, Appli
24	52	24.2	468	15 US-10-176-918-80	Sequence 90, Appli
25	52	24.2	468	15 US-10-176-921-80	Sequence 90, Appli
26	52	24.2	468	15 US-10-036-214-67	Sequence 67, Appli
27	52	24.2	468	15 US-10-137-865-90	Sequence 90, Appli
28	52	24.2	468	15 US-10-140-474-90	Sequence 90, Appli
29	52	24.2	468	15 US-10-035-719-67	Sequence 67, Appli
30	52	24.2	468	15 US-10-142-431-90	Sequence 90, Appli
31	52	24.2	468	15 US-10-143-114-80	Sequence 90, Appli
32	52	24.2	468	15 US-10-140-002-80	Sequence 90, Appli
33	52	24.2	468	15 US-10-036-160-67	Sequence 67, Appli
34	52	24.2	468	15 US-10-142-419-90	Sequence 90, Appli
35	52	24.2	468	15 US-10-035-958-67	Sequence 67, Appli
36	52	24.2	468	15 US-10-036-150-67	Sequence 67, Appli
37	52	24.2	468	15 US-10-063-518-150	Sequence 150, App
38	52	24.2	468	15 US-10-123-262-90	Sequence 90, Appli
39	52	24.2	468	15 US-10-142-423-90	Sequence 90, Appli
40	52	24.2	468	15 US-10-063-598-150	Sequence 150, App
41	52	24.2	468	15 US-10-227-693-150	Sequence 90, App
42	52	24.2	468	15 US-10-121-050-90	Sequence 90, Appli
43	52	24.2	468	15 US-10-141-755-80	Sequence 90, Appli
44	52	24.2	468	15 US-10-143-032-80	Sequence 90, Appli
45	52	24.2	468	15 US-10-123-108-90	Sequence 90, Appli

## ALIGNMENTS

RESULT 1  
US-09-815-242-11623  
; Sequence 11623, Application US/09815242  
; Patent No. US20020061569A1  
GENERAL INFORMATION:  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Karl L.  
; APPLICANT: Zyskind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Twawick, John D.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: Identification of Essential Genes In  
; FILE REFERENCE: ELITRA 011A  
; CURRENT APPLICATION NUMBER: US/09/815,242  
; PRIOR FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0.  
; SEQ ID NO 11623  
; LENGTH: 388  
; TYPE: PRT  
; ORGANISM: Helicobacter pylori

US-09-815-242-11623

Query Match 27.7%; Score 59.5; DB 9; Length 388;  
Best Local Similarity 37.1%; Pred. No. 7.7;  
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

OY 11 RKKEMENAGKITYTMAADK-----TISKLMTEYK 40  
DB 217 RLKLMWSNLQNSLFTLLPDLRLANALRISDLPESTQ 251

RESULT 2

US-09-815-242-11458  
Sequence 11458, Application US/09815242  
Patent No. US20020061569A1

GENERAL INFORMATION:  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl L.  
APPLICANT: Zyskind, Judith W.  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John D.  
APPLICANT: Carr, Grant J.  
APPLICANT: Yamamoto, Robert T.  
APPLICANT: Xu, H. Howard

TITLE OF INVENTION: Identification of Essential Genes in  
FILE REFERENCE: ELITRA.011A

CURRENT APPLICATION NUMBER: US/09/815,242

CURRENT FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 14110

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 11458

LENGTH: 388

TYPE: PRT

ORGANISM: Helicobacter pylori

FEATURE:

NAME/KEY: VARIANT

LOCATION: (1)...(388)

OTHER INFORMATION: Xaa - Any Amino Acid

US-09-815-242-11458

Query Match 26.3%; Score 56.5; DB 9; Length 388;  
Best Local Similarity 34.3%; Pred. No. 19;  
Matches 12; Conservative 5; Mismatches 13; Indels 5; Gaps 1;

OY 11 RKKEMENAGKITYTMAADK-----TISKLMTEYK 40  
DB 217 RLKLMWSNLQNSLFTLLPDLRLANALRISDLPESTQ 251

RESULT 3

US-09-881-752A-350  
Sequence 350, Application US/09881752A  
Patent No. US20020115078A1

GENERAL INFORMATION:

APPLICANT: Kleantous, Harold

APPLICANT: Al-Garawi, Amal

APPLICANT: Miller, Charles

APPLICANT: Tomb, Jean-Francois

APPLICANT: Tomb, Jean-Francois

APPLICANT: Oomen, Raymond P.  
TITLE OF INVENTION: Identification of Polynucleotides  
TITLE OF INVENTION: Encoding No. US20020115078A1 Helicobacter Polypeptides in t

FILE REFERENCE: 06132/041002

CURRENT APPLICATION NUMBER: US/09/881,752A

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: US 08/833,457

PRIOR FILING DATE: 1997-04-01

NUMBER OF SEQ ID NOS: 370

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 350

LENGTH: 388

TYPE: PRT

ORGANISM: Helicobacter pylori

US-09-881-752A-350

Query Match 26.3%; Score 56.5; DB 10; Length 388;  
Best Local Similarity 34.3%; Pred. No. 19;  
Matches 12; Conservative 5; Mismatches 13; Indels 5; Gaps 1;

OY 11 RKKEMENAGKITYTMAADK-----TISKLMTEYK 40  
DB 217 RLKLMWSNLQNSLFTLLPDLRLANALRISDLPESTQ 251

RESULT 4

US-09-963-340-2  
Sequence 2, Application US/09963340  
Patent No. US20020108151A1

GENERAL INFORMATION:

APPLICANT: Conkling, Mark

APPLICANT: Mendu, Nandini

APPLICANT: Song, Wen

TITLE OF INVENTION: Regulation of Quinolinate Phosphoribosyl Transferase

FILE REFERENCE: 5051-338

CURRENT APPLICATION NUMBER: US/09/963,340

CURRENT FILING DATE: 2001-09-24

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/021,286

PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-10

NUMBER OF SEQ ID NOS: 3

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 351

TYPE: PRT

ORGANISM: Nicotiana tabacum

US-09-963-340-2

Query Match 25.6%; Score 55; DB 10; Length 351;  
Best Local Similarity 52.9%; Pred. No. 27;  
Matches 9; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

OY 8 DPKRKKEMENAGKITY 24  
DB 106 DPKLKVEMVYVNDGDKVH 122

RESULT 5

US-10-156-761-9082  
Sequence 9082, Application US/10156761  
Publication No. US20030119018A1

GENERAL INFORMATION:

APPLICANT: OMODA, SATOSHI

APPLICANT: IKEDA, HARUO

APPLICANT: ISHIKAWA, JUN

APPLICANT: HORIKAWA, HIROSHI

APPLICANT: SHIBA, TADAYOSHI

APPLICANT: SAKAKI, YOSHIYUKI

APPLICANT: HATTORI, MASAHIRA

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

FILE REFERENCE: 249-262

CURRENT APPLICATION NUMBER: US/10/156,761



SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 396  
TYPE: PRT  
ORGANISM: Human  
US-10-160-293-2

Query Match 24.2% Score 52; DB 15; Length 396;  
Best local similarity 32.6% Pred. No. 74;  
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

6 KKDSSRKKEWEN-AG---KKIYMA-----DKTISKLMT 37  
Db 137 EEDNKPFTSWTENQAKIPEKVTPEMAIADQGLAKGENDVTSNTLT 182

RESULT 10  
US-09-931-836-67  
Sequence 67, Application US/09931836  
Publication No. US20030027249A1  
GENERAL INFORMATION:  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Matanabe, Collin K.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3030R1C1  
CURRENT APPLICATION NUMBER: US/09/931,836  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/112514  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113300  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113430  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/114140  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115552  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/116843  
PRIOR FILING DATE: 1999-01-22  
PRIOR APPLICATION NUMBER: 60/125774  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125778  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125826  
PRIOR FILING DATE: 1999-03-24  
PRIOR APPLICATION NUMBER: 60/127035  
PRIOR FILING DATE: 1999-03-31  
PRIOR APPLICATION NUMBER: 60/127706  
PRIOR FILING DATE: 1999-04-05  
PRIOR APPLICATION NUMBER: 60/129122  
PRIOR FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: 60/130359  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131272  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131291

PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/132371  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132379  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132383  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/135750  
PRIOR FILING DATE: 1999-05-25  
PRIOR APPLICATION NUMBER: 60/138166  
PRIOR FILING DATE: 1999-06-08  
PRIOR APPLICATION NUMBER: 60/144791  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/146970  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/162506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 09/311832  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 09/380142  
PRIOR FILING DATE: 1999-08-25  
PRIOR APPLICATION NUMBER: 09/644848  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 09/747259  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: 09/816744  
PRIOR FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 09/854208  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/854280  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/874503  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: 09/865999  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: 09/908,827  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: PCT/US99/10733  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30720  
PRIOR FILING DATE: 1999-12-22  
PRIOR APPLICATION NUMBER: PCT/US00/05601  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: PCT/US00/14042  
PRIOR FILING DATE: 2000-05-22  
PRIOR APPLICATION NUMBER: PCT/US00/15264  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: PCT/US00/23522  
PRIOR FILING DATE: 2000-08-23  
PRIOR APPLICATION NUMBER: PCT/US00/23328  
PRIOR FILING DATE: 2000-08-24  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: PCT/US00/34956  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: PCT/US01/06520  
PRIOR FILING DATE: 2001-08-28  
PRIOR APPLICATION NUMBER: PCT/US01/17800  
PRIOR FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: PCT/US01/19692  
PRIOR FILING DATE: 2001-06-20  
PRIOR APPLICATION NUMBER: PCT/US01/21066  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: PCT/US01/21735  
NUMBER OF SEQ. ID NOS: 80  
SEQ ID NO 67  
LENGTH: 468  
TYPE: PRT



Best Local Similarity 32.6%; Pred. No. 88;  
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

Qy 6 KKDPSRKKEWMEN-AG---NKITYMAA-----DKTISKLMT 37  
Db 209 EEDNKPCTSWTENQAGKIPEKVTMAAIQDGLANGDENDEIVSNLT 254

RESULT 12  
US-10-006-867-150  
Sequence 150, Application US/10006867  
Publication No. US20020119130A1  
GENERAL INFORMATION:  
APPLICANT: Eaton, Dan L.  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Geriltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P2230H1C1  
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PRIOR APPLICATION NUMBER: 09/380142

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DB 209 EDPNKPSTWENOGKIPKVTYMAAIODGLAKGENDETIVSNLT 254

RESULT 13  
US-10-077-040-1  
Sequence 1, Application US/10077040  
Publication No. US20020156014A1  
GENERAL INFORMATION:  
APPLICANT: Lal, Preeti  
Corley, Neil C.  
Patterson, Chandra  
TITLE OF INVENTION: HUMAN NEUROSECRETORY PROTEINS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Dr.  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/077,040  
FILING DATE: 14-Feb-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/062,601  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Carione, Michael C.  
REGISTRATION NUMBER: 39,132  
REFERENCE/DOCKET NUMBER: PF-0510 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 468 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: ISL/TNOT01  
CLONE: 2379427  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
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DB 209 EDPNKPSTWENOGKIPKVTYMAAIODGLAKGENDETIVSNLT 254  
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Sequence 150, Application US/10063547  
Publication No. US20020182638A1  
GENERAL INFORMATION:  
APPLICANT: Eaton, Dan L.  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.

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: FILE OF INVENTION: ACIDS ENCODING THE SAME
: CURRENT APPLICATION NUMBER: US/10/063.547
: FILING DATE: 2002-05-02
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 170
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: US-10-063-547-150

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: Publication No. US20020192751A1
: GENERAL INFORMATION:
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gutney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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 ; NUMBER OF SEQ ID NOS: 80  
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Query Match 24.2%; Score 52; DB 14; Length 468;  
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 25, 2003, 16:45:33 ; Search time 61.0835 Seconds

(without alignments)  
569.947 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5580241 seqs, 870357830 residues

Total number of hits satisfying chosen parameters: 5580241

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Sequence 30, Appl1			

3	215	100.0	141	28	US-10-221-279-7783	Sequence 7783, Ap
4	215	100.0	467	12	US-08-842-385-6	Sequence 6, Appl1
5	215	100.0	518	25	US-09-991-681-27	Sequence 27, Appl
6	215	100.0	1770	1	PCT-US03-01943-44	Sequence 44, Appl
7	215	100.0	1770	27	US-10-144-198-44	Sequence 44, Appl
8	215	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
9	215	100.0	1839	1	PCT-US01-42950-495	Sequence 495, App
10	215	100.0	1839	30	US-10-416-993-495	Sequence 495, App
11	215	100.0	1872	1	PCT-US03-04508-32	Sequence 32, Appl
12	215	100.0	1882	1	PCT-US01-08631-40090	Sequence 40090, A
13	215	100.0	2221	27	US-10-144-198-30	Sequence 30, Appl
14	215	100.0	2221	27	US-10-437-963-153423	Sequence 153423, A
15	65	30.2	1065	30	US-09-791-537-91859	Sequence 91859, A
16	64	29.8	621	22	US-06-360-039-22757	Sequence 22757, A
17	63.5	29.5	604	31	US-08-993-002A-5796	Sequence 5796, Ap
18	59.5	27.7	232	13	US-08-993-002A-5796	Sequence 5796, Ap
19	59.5	27.7	233	10	US-08-623-811-1380	Sequence 1380, Ap
20	59.5	27.7	233	13	US-08-993-002A-5795	Sequence 5795, Ap
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23	59.5	27.7	388	23	US-09-815-242-11623	Sequence 11623, A
24	59.5	27.7	388	26	US-10-072-851-11623	Sequence 11623, A
25	59	27.4	264	31	US-60-360-039-11489	Sequence 11489, A
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27	59	27.4	264	31	US-60-360-039-14597	Sequence 14597, A
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34	57	26.5	275	30	US-10-431-652-5591	Sequence 5591, Ap
35	57	26.5	664	27	US-10-181-612-2	Sequence 2, Appl1
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37	56.5	26.3	388	1	PCT-US02-03987-11458	Sequence 11458, A
38	56.5	26.3	388	12	US-08-833-457-350	Sequence 350, App
39	56.5	26.3	388	12	PCT-US98-06371-350	Sequence 350, App
40	56.5	26.3	388	23	US-09-881-752A-11458	Sequence 11458, A
41	56.5	26.3	388	23	US-09-881-752A-11458	Sequence 350, App
42	56.5	26.3	388	26	US-10-072-851-11458	Sequence 11458, A
43	56.5	26.3	388	28	US-10-282-122A-59031	Sequence 59031, A
44	56	26.0	219	19	US-09-513-996A-55105	Sequence 55105, A
45	56	26.0	219	19	US-09-513-996A-63822	Sequence 63822, A

ALIGNMENTS

RESULT 1  
US-08-842-385-9  
Sequence 9, Application US/08842385  
GENERAL INFORMATION:  
APPLICANT: Russell, John  
TITLE OF INVENTION: COLPITS, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASE OF THE PROSTATE  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESS: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/842,385  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Porcumbski, Priscilla E  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 6084, US, 01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/937-6365  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
US-08-842-385-9

Query Match 100.0%; Score 215; DB 12; Length 40;  
Best Local Similarity 100.0%; Pred. No. 1,5e-20;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 40  
Db 1 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 40

RESULT 2  
US-09-991-681-30

Sequence 30, Application US/09991681  
GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA

COHEN, MAURICE

COLPITTS, TRACEY L.

FRIEDMAN, PAULA N.

GORDON, JULIAN

GRANADOS, EDWARD N.

HODGES, STEVEN C.

KLASS, MICHAEL R.

KRATOCCHVIL, JOE D.

ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/991,681

FILING DATE: 26-Nov-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/065,383

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6084, US, P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 30:  
US-09-991-681-30

Query Match 100.0%; Score 215; DB 25; Length 40;  
Best Local Similarity 100.0%; Pred. No. 1,5e-20;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 40  
Db 1 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 40

RESULT 3

US-10-221-279-7783

Sequence 7783, Application US/10221279

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides

FILE REFERENCE: 21272-046

CURRENT APPLICATION NUMBER: US/10/221,279

PRIOR FILING DATE: 2002-09-06

PRIOR APPLICATION NUMBER: 09/574,454

PRIOR FILING DATE: 2000-05-19

PRIOR APPLICATION NUMBER: 09/519,705

PRIOR FILING DATE: 2000-03-07

NUMBER OF SEQ ID NOS: 12360

SOFTWARE: Custom

SEQ ID NO 7783

LENGTH: 141

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (1)..(141)

OTHER INFORMATION: xaa - any amino acid or nothing

US-10-221-279-7783

Query Match 100.0%; Score 215; DB 28; Length 141;  
Best Local Similarity 100.0%; Pred. No. 6,8e-20;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 40  
Db 96 SPKVEKKDPSRKKEWMENAGNKITYTMAADKTISKLMTEYK 135

RESULT 4

US-08-842-385-6

Sequence 6, Application US/08842385

GENERAL INFORMATION:

APPLICANT: Russell, John

APPLICANT: Colpitts, Tracey

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASE OF THE PROSTATE

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

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SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842.385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Potembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084 US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-6

Query Match          100.0%  Score 215; DB 12; Length 467;
Best Local Similarity 100.0%  Pred. No. 2.9e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 40
Db 281 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 320

RESULT 5
US-09-991-681-27
Sequence 27, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDDL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-NOV-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
```

```
REFERENCE/DOCKET NUMBER: 6084 US. P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27

Query Match          100.0%  Score 215; DB 25; Length 518;
Best Local Similarity 100.0%  Pred. No. 3.3e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 40
Db 332 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 371

RESULT 6
PCT-US03-01943-44
Sequence 44, Application PC/TUS0301943
GENERAL INFORMATION:
APPLICANT: ORIGENE TECHNOLOGIES INC
TITLE OF INVENTION: CANCER GENES
FILE REFERENCE: 3U 9U 901 PCT
CURRENT APPLICATION NUMBER: PCT/US03/01943
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 10/054,935
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 60/356,130
PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 10/102,946
PRIOR FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: US 10/117,229
PRIOR FILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: US 10/144,198
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: US 10/197,824
PRIOR FILING DATE: 2002-07-19
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match          100.0%  Score 215; DB 1; Length 1770;
Best Local Similarity 100.0%  Pred. No. 1.4e-18;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 40
Db 1584 SPKVEKKDPSRRKKEMENAGNKIYTMADKTIISKLMTEYK 1623

RESULT 7
US-10-144-198-44
Sequence 44, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Prostate Cance Genes
FILE REFERENCE: 9U 105 R1
CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
```

SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-144-198-44

Query Match 100.0%; Score 215; DB 27; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 1.4e-18;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 40  
Db 1584 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 1623

## RESULT 8

PCT-US01-08631-40087  
Sequence 40087, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/340,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40087  
LENGTH: 1807  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (48)..(62)  
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by EMATRIX.  
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39  
NAME/KEY: DOMAIN  
LOCATION: (941)..(950)  
OTHER INFORMATION: Helper component proteinase domain identified by PIRAM.  
OTHER INFORMATION: accession name Peptidase\_C6, E-value=0.0056, PIRAM score of 7.9  
PCT-US01-08631-40087

Query Match 100.0%; Score 215; DB 1; Length 1807;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 40  
Db 1621 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 1660

## RESULT 9

PCT-US01-42950-495  
Sequence 495, Application PC/TUS0142950  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: PCT/US01/42950  
CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 09/714,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US01-42950-495

Query Match 100.0%; Score 215; DB 1; Length 1839;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 40  
Db 1653 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 1692

## RESULT 10

US-10-416-993-495  
Sequence 495, Application US/10416993  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-096  
CURRENT APPLICATION NUMBER: US/10/416,993  
CURRENT FILING DATE: 2003-11-16  
PRIOR APPLICATION NUMBER: 09/714,936  
PRIOR FILING DATE: 2000-11-17  
NUMBER OF SEQ ID NOS: 682  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 495  
LENGTH: 1839  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-416-993-495

Query Match 100.0%; Score 215; DB 30; Length 1839;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 40  
Db 1653 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 1692

## RESULT 11

PCT-US03-04508-32  
Sequence 32, Application PC/TUS0304508  
GENERAL INFORMATION:  
APPLICANT: IDEC PHARMACEUTICALS  
TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN  
FILE REFERENCE: 037003/0301985  
CURRENT APPLICATION NUMBER: PCT/US03/04508  
CURRENT FILING DATE: 2003-02-19  
PRIOR APPLICATION NUMBER: 60/357,140  
PRIOR FILING DATE: 2002-02-19  
PRIOR APPLICATION NUMBER: 60/396,082  
PRIOR FILING DATE: 2002-07-17  
PRIOR APPLICATION NUMBER: 60/386,759  
PRIOR FILING DATE: 2002-06-10  
NUMBER OF SEQ ID NOS: 93  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 32  
LENGTH: 1872  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-04508-32

Query Match 100.0%; Score 215; DB 1; Length 1872;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 40  
Db 1686 SPVKKDPSPKKEWENAGNKIYTMADKTISKLMTEYK 1725

## RESULT 12

PCT-US01-08631-40090

```

; Sequence 40090, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40090
; LENGTH: 1982
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(25)
; OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,
; NAME/KEY: DOMAIN
; LOCATION: (1065)..(1074)
; OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
; OTHER INFORMATION: accession name Pepsidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

```

```

Query Match          100.0%; Score 215; DB 1; Length 1982;
Best Local Similarity 100.0%; Pred. No. 1.7e-18;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 40
DB      1735 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 1774

```

```

RESULT 13
PCT-US03-01943-30
; Sequence 30, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-30

```

```

Query Match          100.0%; Score 215; DB 1; Length 2221;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 40
DB      2035 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 2074

```

```

RESULT 14
US-10-144-198-30
; Sequence 30, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-30

```

```

Query Match          100.0%; Score 215; DB 27; Length 2221;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 40
DB      2035 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 2074

```

```

RESULT 15
US-10-437-963-153423
; Sequence 153423, Application US/10437963
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated wit
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 153423
; LENGTH: 1065
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1065)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_5380C.1.pcp
US-10-437-963-153423

```

```

Query Match          30.2%; Score 65; DB 30; Length 1065;
Best Local Similarity 32.3%; Pred. No. 55;
Matches 10; Conservative 8; Mismatches 13; Indels 0; Gaps 0;

```

```

QY      1 SPKVEKKDPSRKKEWMENAGNKIYTMADKTSKLTETK 31
DB      488 TPSLDSDLLRCCOMNNNAKRAVATLEFDRT 518

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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:48:03 ; Search time 1.11274 Seconds  
(without alignments)  
147.608 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215  
Sequence: 1 SPKVEKDDPSRKKEWMENAGNKITYMAADKTISKLTETK 40

Scoring table: BLOSUM62  
Gapop:10.0 , Gapext 0.5

Searched: 41799 seqs, 4106219 residues

Total number of hits satisfying chosen parameters: 41799

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries.

Database : Pending\_Patents\_AA\_New:\*  
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2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*  
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7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	215	100.0	1872	6	US-10-367-978-32 Sequence 32, Appl
2	53	24.7	489	6	US-10-294-433-250 Sequence 250, App
3	52	24.2	477	6	US-10-273-573-7140 Sequence 7140, Ap
4	51	23.7	4544	6	US-10-464-368-68 Sequence 68, Appl
5	51	23.7	4545	6	US-10-464-368-67 Sequence 67, Appl
6	51	23.7	4545	6	US-10-464-368-71 Sequence 71, Appl
7	50	23.3	1469	7	US-60-479-073-335 Sequence 335, Appl
8	47	21.9	98	6	US-10-029-988B-42 Sequence 42, Appl
9	47	21.9	98	6	US-10-032-037B-42 Sequence 42, Appl
10	46	21.4	329	5	US-09-290-586A-19 Sequence 19, Appl
11	46	21.4	1101	6	US-10-287-971-18 Sequence 18, Appl
12	45.5	21.2	1839	6	US-10-273-573-9476 Sequence 9476, Ap
13	44.5	20.7	606	6	US-10-331-496A-60 Sequence 60, Appl
14	44.5	20.5	98	6	US-10-029-988B-41 Sequence 41, Appl
15	44	20.5	98	6	US-10-032-037B-41 Sequence 41, Appl
16	44	20.5	98	6	US-10-308-817-42 Sequence 42, Appl
17	44	20.5	500	6	US-10-014-099F-57 Sequence 57, Appl
18	44	20.5	854	6	US-10-273-573-6450 Sequence 6450, Ap
19	43.5	20.2	462	6	US-10-273-573-7554 Sequence 7554, Ap
20	43.5	20.2	1052	7	US-60-479-073-81 Sequence 81, Appl
21	43.5	20.2	1118	7	US-60-479-073-79 Sequence 79, Appl
22	43.5	20.0	1231	7	US-60-479-073-77 Sequence 77, Appl
23	43	20.0	40	6	US-10-273-573-10766 Sequence 10766, A
24	43	20.0	524	7	US-60-478-196-3202 Sequence 3202, Ap
25	43	20.0	939	1	PCT-US03-09929-32 Sequence 32, Appl
26	42.5	19.8	508	6	US-10-465-302-13 Sequence 13, Appl

27	42.5	19.8	950	6	US-10-273-573-10847 Sequence 10847, A
28	42	19.5	18	1	PCT-US03-18896-353 Sequence 353, App
29	42	19.5	18	6	US-10-462-262-353 Sequence 353, App
30	42	19.5	30	1	PCT-US03-18896-381 Sequence 381, App
31	42	19.5	30	6	US-10-462-262-381 Sequence 381, App
32	42	19.5	331	5	US-09-290-586A-20 Sequence 20, Appl
33	42	19.5	506	1	PCT-US03-20480-31 Sequence 31, Appl
34	42	19.5	583	6	US-10-433-802-13 Sequence 13, Appl
35	42	19.5	620	6	US-10-014-099F-21 Sequence 21, Appl
36	42	19.5	620	6	US-10-014-099F-23 Sequence 23, Appl
37	42	19.5	1227	5	US-09-291-417D-105 Sequence 105, App
38	42	19.5	4660	6	US-10-464-368-74 Sequence 74, Appl
39	42	19.5	5065	1	PCT-US02-18638A-52 Sequence 52, Appl
40	41.5	19.3	222	6	US-10-273-573-10263 Sequence 10263, A
41	41.5	19.3	548	6	US-10-450-200-2 Sequence 2, Appl1
42	41	19.1	123	6	US-10-273-573-9406 Sequence 9406, Ap
43	41	19.1	173	6	US-10-351-161A-4 Sequence 4, Appl1
44	41	19.1	242	6	US-10-273-573-8424 Sequence 8424, Ap
45	41	19.1	267	6	US-10-273-573-9399 Sequence 9399, Ap

## ALIGNMENTS

```

RESULT 1
US-10-367-978-32
; Sequence 32, Application US/10367978
; GENERAL INFORMATION:
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003-0301988
; CURRENT APPLICATION NUMBER: US/10/367,978
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386,759
; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-978-32
Query Match          100.0%; Score 215; DB 6; Length 1872;
Best Local Similarity 100.0%; Pred. No. 3.3e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 SPKVEKDDPSRKKEWMENAGNKITYMAADKTISKLTETK 40
Db      1686 SPKVEKDDPSRKKEWMENAGNKITYMAADKTISKLTETK 1725
RESULT 2
US-10-294-433-250
; Sequence 250, Application US/10294433
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 792CIP4
; CURRENT APPLICATION NUMBER: US/10/294,433
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/14826
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 09/989,600
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: 10/115,831

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PRIOR FILING DATE: 2002-04-02  
PRIOR APPLICATION NUMBER: 09/677,298  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: 09/695,781  
PRIOR FILING DATE: 2000-10-24  
PRIOR APPLICATION NUMBER: 10/150,802  
PRIOR FILING DATE: 2002-05-15  
PRIOR APPLICATION NUMBER: 09/715,869  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 10/167,379  
PRIOR FILING DATE: 2002-06-10  
PRIOR APPLICATION NUMBER: 09/775,330  
PRIOR FILING DATE: 2001-02-01  
NUMBER OF SEQ ID NOS: 864  
SOFTWARE: Custom  
SEQ ID NO: 250  
LENGTH: 489  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-294-433-250

Query Match 24.7%; Score 53; DB 6; Length 489;  
Best Local Similarity 36.4%; Pred. No. 9.3;  
Matches 16; Conservative 5; Mismatches 15; Indels 8; Gaps 3;

Oy 3 KVEKKDSRKE--W---WENAGNKIYTAADTKISKMTYK 40  
Db 345 KMTKIRIKLEKETITMTKWNKNNKALLQMAEKTVD--KEYK 386

RESULT 3  
US-10-273-573-7140  
Sequence 7140, Application US/10273573  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-066  
CURRENT APPLICATION NUMBER: US/10/273,573  
CURRENT FILING DATE: 2002-10-18  
PRIOR APPLICATION NUMBER: 09/522,929  
PRIOR FILING DATE: 2000-04-18  
PRIOR APPLICATION NUMBER: 09/770,160  
PRIOR FILING DATE: 2001-01-26  
NUMBER OF SEQ ID NOS: 10994  
SOFTWARE: Custom  
SEQ ID NO: 7140  
LENGTH: 477  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (34)..(52)  
OTHER INFORMATION: GLUCOSE/RIBITOL DEHYDROGENASE FAMILY SIGNATURE domain  
OTHER INFORMATION: identified by EMATRIX, accession number PR00081a, p-value=6.226e-  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (33)..(218)  
OTHER INFORMATION: short chain dehydrogenase domain identified by Pfam,  
OTHER INFORMATION: accession name adh\_short, E-value=1.5e-60, Pfam score of 214.6  
US-10-273-573-7140

Query Match 24.2%; Score 52; DB 6; Length 477;  
Best Local Similarity 25.6%; Pred. No. 12;  
Matches 10; Conservative 11; Mismatches 18; Indels 0; Gaps 0;

Oy 2 PKVEKKDSRKKEMWENAGNKIYTAADTKISKMTYK 40  
Db 386 PKETKSPAREQNMENKFDLDVSPRSVITNYTQK 424

RESULT 4  
US-10-464-368-68

Sequence 68, Application US/10464368  
GENERAL INFORMATION:  
APPLICANT: Krumlauf, Robb  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION  
FILE REFERENCE: 40716-IP-017  
CURRENT APPLICATION NUMBER: US/10/464,368  
CURRENT FILING DATE: 2003-06-16  
PRIOR APPLICATION NUMBER: 60/388,970  
PRIOR FILING DATE: 2002-06-14  
NUMBER OF SEQ ID NOS: 140  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 68  
LENGTH: 4544  
TYPE: PRT  
ORGANISM: HOMO SAPIENS  
US-10-464-368-68

Query Match 23.7%; Score 51; DB 6; Length 4544;  
Best Local Similarity 36.4%; Pred. No. 1.6e+02;  
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

Oy 8 DPSRKKEMWENAGN--KIYTAADTKISKMTYK 38  
Db 4009 DPLNGTYWSDMGNHPKIEITRAMDGTIRETLVQ 4041

RESULT 5  
US-10-464-368-67  
Sequence 67, Application US/10464368  
GENERAL INFORMATION:  
APPLICANT: Krumlauf, Robb  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION  
FILE REFERENCE: 40716-IP-017  
CURRENT APPLICATION NUMBER: US/10/464,368  
CURRENT FILING DATE: 2003-06-16  
PRIOR APPLICATION NUMBER: 60/388,970  
PRIOR FILING DATE: 2002-06-14  
NUMBER OF SEQ ID NOS: 140  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 67  
LENGTH: 4545  
TYPE: PRT  
ORGANISM: MOUSE  
US-10-464-368-67

Query Match 23.7%; Score 51; DB 6; Length 4545;  
Best Local Similarity 36.4%; Pred. No. 1.6e+02;  
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

Oy 8 DPSRKKEMWENAGN--KIYTAADTKISKMTYK 38  
Db 4010 DPLNGTYWSDMGNHPKIEITRAMDGTIRETLVQ 4042

RESULT 6  
US-10-464-368-71  
Sequence 71, Application US/10464368  
GENERAL INFORMATION:  
APPLICANT: Krumlauf, Robb  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION  
FILE REFERENCE: 40716-IP-017  
CURRENT APPLICATION NUMBER: US/10/464,368  
CURRENT FILING DATE: 2003-06-16  
PRIOR APPLICATION NUMBER: 60/388,970  
PRIOR FILING DATE: 2002-06-14  
NUMBER OF SEQ ID NOS: 140  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 71  
LENGTH: 4545  
TYPE: PRT

ORGANISM: MOUSE  
US-10-464-368-71

Query Match 23.7%; Score 51; DB 6; Length 4545;  
Best Local Similarity 36.4%; Pred. No. 1.6e+02;  
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

OY 8 DPSRKKEWENAGN-KIYTMADKTISKIAME 38  
DB 4010 DPLRGIMYMSDMGNHRIETAAADGTLRETLVQ 4042

RESULT 7  
US-60-479-073-335  
Sequence 335, Application US/60479073

GENERAL INFORMATION:  
APPLICANT: De Wilde, Gert Jules Hector  
APPLICANT: Saunders, Michael John Scott  
TITLE OF INVENTION: Logsyne, Marc Georges  
TITLE OF INVENTION: Amino acid sequences useful for developing compounds for the  
TITLE OF INVENTION: prevention and/or treatment of metabolic diseases and nucleotide  
TITLE OF INVENTION: sequences encoding such amino acid sequences.  
FILE REFERENCE: D00590.70042.US  
CURRENT APPLICATION NUMBER: US/60/479,073  
CURRENT FILING DATE: 2003-06-17  
NUMBER OF SEQ ID NOS: 526  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 335  
LENGTH: 1469  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-60-479-073-335

Query Match 23.3%; Score 50; DB 7; Length 1469;  
Best Local Similarity 44.8%; Pred. No. 68;  
Matches 13; Conservative 3; Mismatches 13; Indels 0; Gaps 0;

OY 4 VEKKDPSRKKEWENAGNKIYTMADKTI 32  
DB 365 LEAKDEVKKKETHERSLNSIVTELEKRI 393

RESULT 8  
US-10-029-988B-42  
Sequence 42, Application US/10029988B

GENERAL INFORMATION:  
APPLICANT: Bio-Technology General Corp.  
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED  
FILE REFERENCE: 10793/46  
CURRENT APPLICATION NUMBER: US/10/029,988B  
CURRENT FILING DATE: 2001-12-31  
PRIOR APPLICATION NUMBER: 60/258,948  
PRIOR FILING DATE: 2000-12-29  
NUMBER OF SEQ ID NOS: 204  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 42  
LENGTH: 98  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-029-988B-42

Query Match 21.9%; Score 47; DB 6; Length 98;  
Best Local Similarity 44.4%; Pred. No. 9.8;  
Matches 8; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

OY 6 KKDPSSRKKEW--WENAGN 21  
DB 38 RQAPGQRLMGMGMSNAGN 55

RESULT 9  
US-10-032-037B-42

Sequence 42, Application US/10032037B  
GENERAL INFORMATION:  
APPLICANT: Bio-Technology General Corp.  
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED  
TITLE OF INVENTION: MOIETIES, ANTIBODIES TO SUCH EPITOPES, AND USES THEREOF  
FILE REFERENCE: 10793/44  
CURRENT APPLICATION NUMBER: US/10/032,037B  
CURRENT FILING DATE: 2001-12-31  
PRIOR APPLICATION NUMBER: 60/258,948  
PRIOR FILING DATE: 2000-12-29  
NUMBER OF SEQ ID NOS: 204  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 42  
LENGTH: 98  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-032-037B-42

Query Match 21.9%; Score 47; DB 6; Length 98;  
Best Local Similarity 44.4%; Pred. No. 9.8;  
Matches 8; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

OY 6 KKDPSSRKKEW--WENAGN 21  
DB 38 RQAPGQRLMGMGMSNAGN 55

RESULT 10  
US-09-290-586A-19  
Sequence 19, Application US/09290586A

GENERAL INFORMATION:  
APPLICANT: SANTAMARIA, Ignacio  
APPLICANT: CAZORLA, Gloria  
APPLICANT: FUETO, Antonio  
APPLICANT: CAMPO, Elias  
APPLICANT: LOPEZ-OTIN, Carlos  
APPLICANT: AOKI, Takaoori  
APPLICANT: IWATA, Kazuishi  
TITLE OF INVENTION: NOVEL HUMAN CATHEPSIN L2 PROTEIN, GENE ENCODING SAID  
FILE REFERENCE: 99-410A/MMC/0132  
CURRENT APPLICATION NUMBER: US/09/290,586A  
CURRENT FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: JP 10-172147  
PRIOR FILING DATE: 1998-06-05  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 19  
LENGTH: 329  
TYPE: PRT  
ORGANISM: Human  
US-09-290-586A-19

Query Match 21.4%; Score 46; DB 5; Length 329;  
Best Local Similarity 52.9%; Pred. No. 45;  
Matches 9; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

OY 12 KKEWENAGNKIYTMMA 28  
DB 295 KNSWGMGNGKGIYIIMA 311

RESULT 11  
US-10-287-971-18  
Sequence 18, Application US/10287971

GENERAL INFORMATION:  
APPLICANT: Alsobrook, et al  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND MET  
FILE REFERENCE: 21402-480A  
CURRENT APPLICATION NUMBER: US/10/287,971  
CURRENT FILING DATE: 2002-11-05  
PRIOR APPLICATION NUMBER: 09/997,425

QY 10 SRKKWWENAGN-KIYTMADKTIS-----KLMTEY 39

; TYPE: PRT

TYPE: PRT

Mon Jul 28 08:56:37 2003

ORGANISM: Homo sapiens  
US-10-029-988B-41

Query Match 20.5%; Score 44; DB 6; Length 98;  
Best Local Similarity 44.4%; Pred. No. 23;  
Matches 8; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Qy 6 KKDPSSKKEM--WENAGN 21  
::|::|||  
Db 38 ROAPGQRLKMGMINAGN 55

RESULT 15  
US-10-032-037B-41  
Sequence 41, Application US/10032037B

GENERAL INFORMATION:  
APPLICANT: Bio-Technology General Corp.  
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED  
FILE REFERENCE: 10793/44  
CURRENT APPLICATION NUMBER: US/10/032,037B  
PRIOR APPLICATION NUMBER: 60/258,948  
PRIOR FILING DATE: 2000-12-29  
NUMBER OF SEQ ID NOS: 204  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 41  
LENGTH: 98  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-032-037B-41

Query Match 20.5%; Score 44; DB 6; Length 98;  
Best Local Similarity 44.4%; Pred. No. 23;  
Matches 8; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Qy 6 KKDPSSKKEM--WENAGN 21  
::|::|||  
Db 38 ROAPGQRLKMGMINAGN 55

Search completed: July 25, 2003, 17:08:43  
Job time : 2.11274 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:47:13 ; Search time 4.37628 Seconds  
(without alignments)  
473.743 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260

Sequence: 1 EPLGPRGDSPLRQPHLM.....SAGPELLRQDKRPSGSGTGS 49

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Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

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Issued Patents, AA:\*  
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4: /cgn2.6/ptodata/1/1aa/6B.COMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	260	100.0	49	US-09-065-383-31	Sequence 31, Appl
2	260	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	70.5	27.1	309	US-09-252-991A-17975	Sequence 17975, A
4	65	25.0	693	US-09-252-991A-24059	Sequence 24059, A
5	64.5	24.8	501	US-09-252-991A-21536	Sequence 21536, A
6	63	24.2	504	US-09-252-991A-23374	Sequence 23374, A
7	62	23.8	567	US-09-252-991A-28435	Sequence 28435, A
8	61	23.5	171	US-09-252-991A-18380	Sequence 18380, A
9	59	22.7	109	US-09-252-991A-28987	Sequence 28987, A
10	58.5	22.5	681	US-09-252-991A-22519	Sequence 22519, A
11	58	22.3	297	US-09-252-991A-29217	Sequence 29217, A
12	57.5	22.1	140	US-09-252-991A-28444	Sequence 28444, A
13	57.5	22.1	148	US-09-252-991A-26802	Sequence 26802, A
14	57	21.9	351	US-09-252-991A-17299	Sequence 17299, A
15	57	21.9	565	US-09-252-991A-28571	Sequence 28571, A
16	57	21.9	566	US-09-252-991A-32371	Sequence 32371, A
17	57	21.9	592	US-09-252-991A-18124	Sequence 18124, A
18	56.5	21.7	312	US-09-347-878-34	Sequence 34, Appl
19	56.5	21.7	313	US-09-347-878-30	Sequence 30, Appl
20	56.5	21.7	313	US-09-367-007C-39	Sequence 39, Appl
21	56.5	21.7	558	US-09-252-991A-26115	Sequence 26115, A
22	56	21.5	163	US-09-066-074-2	Sequence 2, Appl
23	56	21.5	163	US-08-555-912A-2	Sequence 2, Appl
24	56	21.5	163	US-09-208-804-4	Sequence 4, Appl
25	56	21.5	163	US-08-801-743-4	Sequence 4, Appl
26	56	21.5	239	US-09-252-991A-21250	Sequence 21250, A
27	56	21.5	429	US-09-252-991A-16841	Sequence 16841, A

28	21.5	536	4	US-09-252-991A-23495	Sequence 23495, A
29	21.5	541	4	US-09-252-991A-17206	Sequence 17206, A
30	21.5	620	4	US-09-252-991A-17304	Sequence 17304, A
31	21.3	199	4	US-09-252-991A-23002	Sequence 23002, A
32	55.5	472	4	US-09-252-991A-30367	Sequence 30367, A
33	55	448	4	US-09-252-991A-24066	Sequence 24066, A
34	21.2	516	4	US-09-252-991A-11707	Sequence 11707, A
35	55	21.2	1882	US-09-366-364A-13	Sequence 13, Appl
36	54.5	336	4	US-09-252-991A-20600	Sequence 20600, A
37	54.5	365	4	US-09-252-991A-26578	Sequence 26578, A
38	54.5	647	3	US-09-031-563-7	Sequence 7, Appl
39	54.5	647	4	US-09-392-277-7	Sequence 7, Appl
40	54.5	647	4	US-09-258-000-7	Sequence 7, Appl
41	54.5	648	3	US-09-031-563-5	Sequence 5, Appl
42	54.5	648	4	US-09-392-277-5	Sequence 5, Appl
43	54.5	648	4	US-09-258-000-5	Sequence 5, Appl
44	54.5	1055	3	US-09-031-563-27	Sequence 27, Appl
45	54.5	1055	4	US-09-392-277-27	Sequence 27, Appl

## ALIGNMENTS

RESULT 1  
US-09-065-383-31  
Sequence 31, Application US/09065383  
Patent No. 6391343  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 49 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-31

Query Match 100.0%; Score 260; DB 4; Length 49;  
Best Local Similarity 100.0%; Pred. No. 6.5e-30;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLPGRQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSGTGS 49  
Db 1 EPLPGRQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSGTGS 49

RESULT 2  
US-09-065-383-27  
Sequence 27, Application US/09065383  
Patent No. 6391543  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLAS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,383  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,385  
FILING DATE: 23-APR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6391543e  
US-09-065-383-27  
Query Match 100.0%; Score 260; DB 4; Length 518;  
Best Local Similarity 100.0%; Pred. No. 1.1e-28;

Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EPLPGRQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSGTGS 49  
Db 393 EPLPGRQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSGTGS 441

RESULT 3  
US-09-252-991A-17975  
Sequence 17975, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 17975  
LENGTH: 309  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17975

Query Match 27.1%; Score 70.5; DB 4; Length 309;  
Best Local Similarity 41.5%; Pred. No. 0.043;  
Matches 22; Conservative 3; Mismatches 19; Indels 9; Gaps 2;

QY 2 PLGPRGQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSG 45  
Db 194 PLGPRGQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSG 246

RESULT 4  
US-09-252-991A-24059  
Sequence 24059, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 24059  
LENGTH: 693  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-24059

Query Match 25.0%; Score 65; DB 4; Length 693;  
Best Local Similarity 29.2%; Pred. No. 0.7;  
Matches 19; Conservative 5; Mismatches 19; Indels 22; Gaps 1;

QY 2 PLGPRGQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSG 39  
Db 310 PLGPRGQDSPILQRPQHLMDQGMRSFSAGPELLRQDKRPRSG 369  
QY 40 KRPRS 44  
Db 370 KRPRS 374



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RESULT 5
US-09-252-991A-21596
; Sequence 21596, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21596
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21596

Query Match      24.8%; Score 64.5; DB 4; Length 501;
Best Local Similarity 33.3%; Pred. No. 0.55;
Matches 15; Conservative 5; Mismatches 14; Indels 11; Gaps 1;

OY      2 PLGPRGDSPLLRQPHLMDCGMHSHSAGPELLRDKRRSSGS 46
DB      368 PVGPDQDDGP-----AQAQRGRFPRLRLRGRPLPGA 401

RESULT 6
US-09-252-991A-23374
; Sequence 23374, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23374
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23374

Query Match      24.2%; Score 63; DB 4; Length 504;
Best Local Similarity 48.3%; Pred. No. 0.91;
Matches 14; Conservative 3; Mismatches 10; Indels 2; Gaps 1;

OY      2 PLGPRGDSPLLRQPHLMDCGMHSHS 30
DB      364 PLRGERGDIPLLR--HFAEAGMRHGLT 390

RESULT 7
US-09-252-991A-28435
; Sequence 28435, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1998-07-27
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28987
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28987

Query Match      23.5%; Score 61; DB 4; Length 171;
Best Local Similarity 64.7%; Pred. No. 0.47;
Matches 11; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

OY      4 GPRGDSPLLRQPHLM 20
DB      142 GPRKNSPWLQTPSHSM 158

RESULT 8
US-09-252-991A-18380
; Sequence 18380, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18380
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18380

Query Match      23.8%; Score 62; DB 4; Length 567;
Best Local Similarity 37.2%; Pred. No. 1.5;
Matches 16; Conservative 4; Mismatches 21; Indels 2; Gaps 1;

OY      1 EPLGPRGDSPLLRQPHLMDCGMHSHSAGPELLRDKRR 43
DB      156 OPTGPAAGARRRQPHRLDVQHLR--FRPPGLRQGRHR 196

RESULT 9
US-09-252-991A-28987
; Sequence 28987, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-07-27
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28987
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28987
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Query Match 22.7%; Score 59; DB 4; Length 109;  
Best Local Similarity 33.3%; Pred. No. 0.52;  
Matches 15; Conservative 8; Mismatches 16; Indels 6; Gaps 2;  
Db 2 PLGPGODSPILORPQHLMDGQMRHSFSGPPELLRDKRP-RSG 45  
68 PAFSGRAVDYPRSPRR-----ARRHGIAAGPAPAHRESRVRSG 107

RESULT 10  
US-09-252-991A-22519  
; Sequence 22519, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22519  
; LENGTH: 681  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22519

Query Match 22.5%; Score 58.5; DB 4; Length 681;  
Best Local Similarity 33.3%; Pred. No. 5.7;  
Matches 14; Conservative 4; Mismatches 15; Indels 9; Gaps 1;  
Db 2 PLGPGODSPILORPQHLMDGQMRHSFSGPPELLRDKRP 43  
237 PAFPHAKHPRLOQPLPAADHAARH-----KQARRRP 269

RESULT 11  
US-09-252-991A-29217  
; Sequence 29217, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 29217  
; LENGTH: 297  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-29217

Query Match 22.3%; Score 58; DB 4; Length 297;  
Best Local Similarity 38.0%; Pred. No. 2.4;  
Matches 19; Conservative 6; Mismatches 19; Indels 6; Gaps 3;

Db 1 EPLGPRGODSPILORPQHLMDGQMRHSFSGPPELL--RDKRRSGSGTG 48  
213 QPQDPGPGQ--PLQDRQPD--PDGRLRVLAARLLGRRAEGRPAAGAHG 258

RESULT 12  
US-09-252-991A-26444

Sequence 28444, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 28444  
; LENGTH: 140  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-28444

Query Match 22.1%; Score 57.5; DB 4; Length 140;  
Best Local Similarity 36.4%; Pred. No. 1.2;  
Matches 16; Conservative 5; Mismatches 20; Indels 3; Gaps 2;

Db 1 EPLGPR--GODSPILORPQHLMDGQMRHSFSGPPELLRDKRP 42  
21 QPAPRVGQGPAPRVFRDRRQROGQ--RHPHRAIRALRDPRRP 63

RESULT 13  
US-09-252-991A-26802  
; Sequence 26802, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26802  
; LENGTH: 148  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26802

Query Match 22.1%; Score 57.5; DB 4; Length 148;  
Best Local Similarity 29.6%; Pred. No. 1.2;  
Matches 21; Conservative 5; Mismatches 18; Indels 27; Gaps 3;

Db 5 PRGODSPILQ-----RQHLMDGQMRHS-----FSAGPE-----TLR 37  
39 PGALHNHPLRLRHGQRPAPAGRPRHRTDQARRHSGADHDQLRPAFGCGFDEGCGILHR 98  
QY 38 QDKRRSGSGTG 48  
Db 99 QAFRRRRNAPG 109

RESULT 14  
US-09-252-991A-17299  
; Sequence 17299, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136

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; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17299
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17299

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Query Match
Best Local Similarity 21.9%; Score 57; DB 4; Length 351;
Matches 15; Conservative 8; Mismatches 8; Indels 8; Gaps 2;

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QY 2 PLGPRGQDSPLQRPQHLMDQGMHSFSGAPPELLRODK 40
Db 236 PVGGRGEER---QRHRLPDRGR-----RADPPGLRQER 266

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RESULT 15
US-09-252-991A-28571
; Sequence 28571, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28571
; LENGTH: 565
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28571

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Query Match
Best Local Similarity 21.9%; Score 57; DB 4; Length 565;
Matches 13; Conservative 8; Mismatches 13; Indels 2; Gaps 1;
QY 13 LORPQHLMDOGMHSFSGAPPELLRODKRPRSGSTG 48
Db 243 LQAPREIVE--KYRGKYDAGPEALROERLRLKEIG 276

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

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Title: US-09-991-681-31  
Perfect score: 260  
Sequence: 1 EPLCPRGDSPLLRPQHLM.....SAGPELLRDKRPRSGTGS 49

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Minimum DB seq length: 0  
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Listing first 45 summaries

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Published\_Applications\_AA:\*  
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3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	63	24.2	70	US-09-864-761-44434	Sequence 44434, A
2	56.5	21.7	1000	US-10-128-714-3305	Sequence 3305, Ap
3	56	21.5	70	US-09-864-761-46074	Sequence 46074, A
4	56	21.5	432	US-10-156-761-10911	Sequence 10911, A
5	55	21.2	32	US-09-864-761-35805	Sequence 35805, A
6	55	21.2	89	US-10-106-698-5596	Sequence 5596, Ap
7	55	21.2	1629	US-09-972-467-2	Sequence 2, Appl1
8	55	21.2	1882	US-09-918-171A-13	Sequence 13, Appl1
9	55	21.2	1907	US-09-938-330-25	Sequence 25, Appl1
10	54.5	21.0	1315	US-09-990-046-10	Sequence 10, Appl1
11	54.5	21.0	1433	US-10-224-249-14	Sequence 14, Appl1
12	54	20.8	623	US-10-108-605-125	Sequence 125, App
13	54	20.8	623	US-10-108-605-129	Sequence 129, App
14	54	20.8	638	US-10-059-585-8	Sequence 8, Appl1
15	54	20.8	779	US-08-817-832B-31	Sequence 31, Appl1

16	54	20.8	793	US-10-195-101-32	Sequence 32, Appl1
17	54	20.8	795	US-09-919-585-12	Sequence 12, Appl1
18	54	20.8	795	US-10-142-356-9	Sequence 9, Appl1
19	53.5	20.6	244	US-09-734-329-5	Sequence 5, Appl1
20	53.5	20.6	428	US-09-734-329-2	Sequence 2, Appl1
21	53	20.4	90	US-09-867-550-1392	Sequence 1392, Ap
22	53	20.4	323	US-09-912-672A-8	Sequence 8, Appl1
23	53	20.4	538	US-09-976-740-43	Sequence 43, Appl1
24	53	20.4	538	US-10-023-529-43	Sequence 43, Appl1
25	53	20.4	538	US-10-023-523-43	Sequence 43, Appl1
26	53	20.4	560	US-09-912-672A-5	Sequence 5, Appl1
27	53	20.4	574	US-09-728-911-25	Sequence 25, Appl1
28	53	20.4	574	US-09-870-574-4	Sequence 4, Appl1
29	53	20.4	574	US-09-912-672A-2	Sequence 2, Appl1
30	53	20.4	574	US-10-006-867-164	Sequence 164, App
31	53	20.4	574	US-10-063-616-164	Sequence 164, App
32	53	20.4	574	US-10-063-616-164	Sequence 164, App
33	53	20.4	574	US-10-063-502-164	Sequence 164, App
34	53	20.4	574	US-10-063-518-164	Sequence 164, App
35	53	20.4	574	US-10-063-598-164	Sequence 164, App
36	53	20.4	574	US-10-227-693-164	Sequence 164, App
37	53	20.4	574	US-10-063-567-164	Sequence 164, App
38	53	20.4	574	US-10-063-538-164	Sequence 164, App
39	53	20.4	574	US-10-090-365-25	Sequence 25, Appl1
40	53	20.4	574	US-10-233-873A-5	Sequence 5, Appl1
41	53	20.4	574	US-10-063-599-164	Sequence 164, App
42	53	20.4	574	US-10-063-595-164	Sequence 164, App
43	53	20.4	574	US-10-104-919-25	Sequence 25, Appl1
44	53	20.4	574	US-10-238-365-4	Sequence 4, Appl1
45	53	20.4	574	US-10-063-580-164	Sequence 164, App

#### ALIGNMENTS

RESULT 1  
US-09-864-761-44434  
; Sequence 44434, Application US/09864761  
; Patent No. US20020048763A1  
GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aeonica-X-1  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 44434  
 LENGTH: 70  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC004952.1  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.73  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.64  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.77  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.85  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.84  
 US-09-864-761-44434

Query Match 24.2%; Score 63; DB 9; Length 70;  
 Best Local Similarity 34.5%; Pred. No. 0.78; Mismatches 13; Indels 16; Gaps 3;

Matches 19; Conservative 7; Mismatches 13; Indels 16; Gaps 3;  
 Oy 5 PRGDSPLDPPHLMDOGMHRSFSA-----GP-----ELLNODKRRPGRSGTG 48  
 Db 12 PPGD-----QPPHLHRRGGRHSEAVSHRPGPGVRIHLQAVYQDDEAGLGAGTG 61

RESULT 2

US-10-128-714-3305  
 Sequence 3305, Application US/10128714  
 Publication No. US20030119013A1  
 GENERAL INFORMATION:  
 APPLICANT: Jiang, Bo  
 APPLICANT: Hu, Meng  
 APPLICANT: Tishkoff, Daniel  
 APPLICANT: Zamudio, Carlos  
 APPLICANT: Eroshtkin, Alexey M  
 APPLICANT: Lemieux, Sebastien M  
 TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and  
 TITLE OF INVENTION: Methods of Use  
 FILE REFERENCE: 10182-018-999  
 CURRENT APPLICATION NUMBER: US/10/128, 714  
 CURRENT FILING DATE: 2002-04-23  
 PRIOR APPLICATION NUMBER: US 60/285,697  
 PRIOR FILING DATE: 2001-04-23  
 PRIOR APPLICATION NUMBER: US 60/287,066  
 PRIOR FILING DATE: 2001-04-27  
 PRIOR APPLICATION NUMBER: US 60/295,890  
 PRIOR FILING DATE: 2001-06-05  
 PRIOR APPLICATION NUMBER: US 60/303,899  
 PRIOR FILING DATE: 2001-07-09  
 PRIOR APPLICATION NUMBER: US 60/316,362  
 PRIOR FILING DATE: 2001-08-31  
 NUMBER OF SEQ ID NOS: 8603  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 3305  
 LENGTH: 1000  
 TYPE: PRT  
 ORGANISM: Aspergillus fumigatus  
 US-10-128-714-3305

Query Match 21.7%; Score 56.5; DB 15; Length 1000;  
 Best Local Similarity 41.7%; Pred. No. 98;

Matches 15; Conservative 6; Mismatches 12; Indels 3; Gaps 1;  
 Oy 14 ORPQIMDOGMHRSFSGAPPELLR---QDKRRPGRSG 46  
 Db 713 RKRKRPDEGGRHRSKSSSEVRSLPRKRRGRSGS 748

RESULT 3

US-09-864-761-46074  
 Sequence 46074, Application US/09864761  
 Patent No. US20020048763A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharon G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 FILE REFERENCE: Aeomica-X-1  
 CURRENT APPLICATION NUMBER: US/09/864, 761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263,6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 46074  
 LENGTH: 70  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC008752.3  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.4  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.4  
 OTHER INFORMATION: EST HUMAN HIT: BF314489.1, EVALUATE 2.00e-28  
 OTHER INFORMATION: SWISSPROT HIT: Q13526, EVALUATE 2.00e-29  
 US-09-864-761-46074

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Query Match 21.5%; Score 56; DB 9; Length 70;
Best Local Similarity 36.6%; Pred. No. 6;
Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;

Oy 4 GPGODSPLLRPOHMDQGMRSFSAGPELLRODKRRPS 44
Db 25 GKNGCEPARVRCSHLT----VKHSQSRPFSMWROEKITRT 61

RESULT 4
US-10-156-761-10911
; Sequence 10911, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMOIRA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 10911
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-10911

Query Match 21.5%; Score 56; DB 15; Length 432;
Best Local Similarity 34.8%; Pred. No. 45;
Matches 16; Conservative 4; Mismatches 10; Indels 16; Gaps 2;

Oy 5 PRGODSPLLRPOHMDQGMRSFSAGPELLROD 39
Db 199 PRROD-----RPDLLETGAVYMDATGFRARHRHFRTTLVTRD 239

RESULT 5
US-09-864-761-35805
; Sequence 35805, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aegm1ca-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 35805
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007688.15
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 35
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 3.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.9
; OTHER INFORMATION: EST_HUMAN HIT: BE531168.1, EVALUAE 3.906-01
US-09-864-761-35805

Query Match 21.2%; Score 55; DB 9; Length 32;
Best Local Similarity 71.4%; Pred. No. 3.3;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Oy 25 MRHSFSGPELLRQ 38
Db 11 LQHSFSGPEWLQO 24

RESULT 6
US-10-106-698-5596
; Sequence 5596, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypept
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 5596
; LENGTH: 89
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TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-106-698-5596

Query Match 21.2% Score 55; DB 15; Length 89;  
Best Local Similarity 35.4%; Pred. No. 10;  
Matches 17; Conservative 8; Mismatches 17; Indels 6; Gaps 3;

QY 2 PLGPRGDSPLLRPQHL-MDQGMRSFSAGPELLRQDKRPRS 46  
DB 9 PLSPRMKKRTNVERPEGVQDQSDIRHLITVFSVPSLX---SNVRNS 53

RESULT 7  
US-09-972-467-2  
Sequence 2, Application US/09972467  
Patent No. US20020090373A1  
GENERAL INFORMATION:  
APPLICANT: PFIZER INC.  
TITLE OF INVENTION: ADAMTS POLYPEPTIDES, NUCLEIC ACIDS ENCODING THEM, AND  
FILE REFERENCE: PC10850A  
CURRENT APPLICATION NUMBER: US/09/972,467  
CURRENT FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: Patentln Ver. 2.1  
SEQ ID NO 2  
LENGTH: 1629  
TYPE: PRT  
ORGANISM: Human  
US-09-972-467-2

Query Match 21.2% Score 55; DB 9; Length 1629;  
Best Local Similarity 35.9%; Pred. No. 2,6e+02;  
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPLLRPQHLMDQGMRSFSAGPELLRQDKRPRS 46  
DB 1288 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1320

RESULT 8  
US-09-918-171A-13  
Sequence 13, Application US/09918171A  
Patent No. US20020110894A1  
GENERAL INFORMATION:  
APPLICANT: Apte, Suneel  
APPLICANT: Hurskainen, Taina L.  
APPLICANT: Hirohata, Satoshi  
TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases  
FILE REFERENCE: 26473/04193  
CURRENT APPLICATION NUMBER: US/09/918,171A  
CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: 09/369,364  
PRIOR FILING DATE: 1999-08-06  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: Patentln Ver. 2.1  
SEQ ID NO 13  
LENGTH: 1882  
TYPE: PRT  
ORGANISM: Homo sapiens ADAMTS-9  
FEATURE:  
NAME/KEY: MOD\_RES  
LOCATION: (468)  
OTHER INFORMATION: Xaa = Cys  
NAME/KEY: MOD\_RES  
LOCATION: (521)  
OTHER INFORMATION: Xaa = Tyr  
US-09-918-171A-13

Query Match 21.2% Score 55; DB 10; Length 1882;  
Best Local Similarity 35.9%; Pred. No. 3,1e+02;  
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPLLRPQHLMDQGMRSFSAGPELLRQDKRPRS 46  
DB 1235 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1267

RESULT 9  
US-09-938-330-25  
Sequence 25, Application US/09938330  
Patent No. US20020115838A1  
GENERAL INFORMATION:  
APPLICANT: Walke, D. Wade  
APPLICANT: Hilbun, Erin  
APPLICANT: Scoville, John  
APPLICANT: Friddle, Carl Johan  
APPLICANT: Hu, Yi  
APPLICANT: Turner, C. Alexander Jr.  
TITLE OF INVENTION: No. US20020115838A1 Human Proteases and Polynucleotides Enco  
FILE REFERENCE: LEX-0237-USA  
CURRENT APPLICATION NUMBER: US/09/938,330  
CURRENT FILING DATE: 2001-08-22  
PRIOR APPLICATION NUMBER: US 60/227,104  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: US 60/233,796  
PRIOR FILING DATE: 2000-09-19  
NUMBER OF SEQ ID NOS: 26  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 25  
LENGTH: 1907  
TYPE: PRT  
ORGANISM: homo sapiens  
US-09-938-330-25

Query Match 21.2% Score 55; DB 10; Length 1907;  
Best Local Similarity 35.9%; Pred. No. 3,1e+02;  
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPLLRPQHLMDQGMRSFSAGPELLRQDKRPRS 46  
DB 1260 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1292

RESULT 10  
US-09-990-046-10  
Sequence 10, Application US/09990046  
Patent No. US20020156245A1  
GENERAL INFORMATION:  
APPLICANT: de Sauvage, Frederic  
APPLICANT: Carpenter, David A.  
TITLE OF INVENTION: Patched-2  
FILE REFERENCE: P1405R1  
CURRENT APPLICATION NUMBER: US/09/990,046  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/293,505  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-15  
NUMBER OF SEQ ID NOS: 32  
SEQ ID NO 10  
LENGTH: 1315  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-990-046-10

Query Match 21.0% Score 54.5; DB 10; Length 1315;  
Best Local Similarity 26.8%; Pred. No. 2,4e+02;  
Matches 15; Conservative 11; Mismatches 19; Indels 11; Gaps 2;

QY 3 LGPRGDSPLLRPQHLMDQGMRSFSAGPELLRQDKR-----PRSGST 47  
DB 292 LARPGNSRILTOAYKRMAREAMQKKHONTGPALEQEDKTSVAPGTAPLRIGAT 347

RESULT 11  
US-10-224-249-14



; Sequence 14, Application US/10224249  
; Publication No. US20030087867A1  
; GENERAL INFORMATION:  
; APPLICANT: Vogels, Ronald V.  
; APPLICANT: Verlinden, Stefan F.F.  
; TITLE OF INVENTION: Gene therapy for enhancing and/or inducing angiogenesis  
; FILE REFERENCE: 2183-5233US  
; CURRENT APPLICATION NUMBER: US/10/224,249  
; CURRENT FILING DATE: 2002-08-19  
; PRIOR APPLICATION NUMBER: PCT/NL00/00482  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: EP 99202263.2  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: US 60/143,101  
; PRIOR FILING DATE: 1999-07-09  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 1433  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CHAIN  
; LOCATION: (1)..(1433)  
; OTHER INFORMATION: Human nitric oxide synthase  
US-10-224-249-14

Query Match 21.0%; Score 54.5; DB 15; Length 1433;  
Best Local Similarity 29.0%; Pred. No. 2.6e+02;  
Matches 18; Conservative 5; Mismatches 16; Indels 23; Gaps 3;

OY 1 EPLG-----PRGDSPL-----ORPHILMOGOMRHSF---SAGPELLR 37  
DB 124 QPLPPTKAYVLSHOPRAGEOPLAVDGCSPGNGPCPHAYVDGAGSLPHANGWPAQR 183  
OY 38 QD 39  
DB 184 QD 185

RESULT 12  
US-10-108-605-125  
; Sequence 125, Application US/10108605  
; Publication No. US20020160934A1  
; GENERAL INFORMATION:  
; APPLICANT: Broadus, Julie  
; APPLICANT: Stam, Lynn  
; APPLICANT: Bachmann, Jane  
; APPLICANT: Kamdar, Kim  
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE  
; FILE REFERENCE: 31133B  
; CURRENT APPLICATION NUMBER: US/10/108,605  
; CURRENT FILING DATE: 2002-03-27  
; PRIOR APPLICATION NUMBER: US 09/761,142  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/176,418  
; PRIOR FILING DATE: 2000-01-14  
; NUMBER OF SEQ ID NOS: 361  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 623  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-10-108-605-125

Query Match 20.8%; Score 54; DB 14; Length 623;  
Best Local Similarity 35.4%; Pred. No. 1.2e+02;  
Matches 17; Conservative 4; Mismatches 19; Indels 8; Gaps 2;

OY 8 QDSPLLRPHL-----MDGOMRHSFASAGPELLRDKRRRSSTGS 49  
DB 110 QOSLLDHPHQOQOQSHSQOQOQNGYSSAQL--PNNRLSGSGSTGS 155

RESULT 13  
US-10-108-605-129  
; Sequence 129, Application US/10108605  
; Publication No. US20020160934A1  
; GENERAL INFORMATION:  
; APPLICANT: Broadus, Julie  
; APPLICANT: Stam, Lynn  
; APPLICANT: Bachmann, Jane  
; APPLICANT: Kamdar, Kim  
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCO  
; FILE REFERENCE: 31133B  
; CURRENT APPLICATION NUMBER: US/10/108,605  
; CURRENT FILING DATE: 2002-03-27  
; PRIOR APPLICATION NUMBER: US 09/761,142  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/176,418  
; PRIOR FILING DATE: 2000-01-14  
; NUMBER OF SEQ ID NOS: 361  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 129  
; LENGTH: 623  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-10-108-605-129

Query Match 20.8%; Score 54; DB 14; Length 623;  
Best Local Similarity 35.4%; Pred. No. 1.2e+02;  
Matches 17; Conservative 4; Mismatches 19; Indels 8; Gaps 2;

OY 8 QDSPLLRPHL-----MDGOMRHSFASAGPELLRDKRRRSSTGS 49  
DB 110 QOSLLDHPHQOQOQSHSQOQOQNGYSSAQL--PNNRLSGSGSTGS 155

RESULT 14  
US-10-059-585-8  
; Sequence 8, Application US/10059585  
; Publication No. US20030082776A1  
; GENERAL INFORMATION:  
; APPLICANT: Ota, Toshio  
; APPLICANT: Isogai, Takao  
; APPLICANT: Nishikawa, Tetsuo  
; APPLICANT: Hayashi, Koji  
; APPLICANT: Otsuka, Kaoru  
; APPLICANT: Yamamoto, Jun-ichi  
; APPLICANT: Ishii, Shizuko  
; APPLICANT: Sugiyama, Tomoyasu  
; APPLICANT: Wakamatsu, Ai  
; APPLICANT: Nagai, Keiichi  
; APPLICANT: Otsuki, Tetsuji  
; APPLICANT: Funahashi, Shin-ichi  
; APPLICANT: Senoo, Chiaki  
; APPLICANT: Nezu, Jun-ichi  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN  
; FILE REFERENCE: 06501-098001  
; CURRENT APPLICATION NUMBER: US/10/059,585  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP00/05060  
; PRIOR FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: US 60/183,322  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: US 60/159,590  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: JP 2000-118776  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-183767  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: JP 11-248036  
; PRIOR FILING DATE: 1999-07-29



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OM protein - protein search, using sw model

Run on: July 25, 2003, 16:45:33 ; Search time 74.8272 Seconds  
(without alignments)  
569.947 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260  
Sequence: 1 EPLGPRGDSPLLRPQHLM.....SAGPELLRQDKRPGSGTGS 49

Scoring table: BLOSUM62  
Gap 10.0 , Gapext 0.5

Searched: 5580241 seqs, 870357830 residues

Total number of hits satisfying chosen parameters: 5580241

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*  
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2: /cgn2\_6/ptodata/1/paa/US086.COMB.pep.\*  
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4: /cgn2\_6/ptodata/1/paa/US084.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US083.COMB.pep.\*  
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28: /cgn2\_6/ptodata/1/paa/US060.COMB.pep.\*  
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31: /cgn2\_6/ptodata/1/paa/US057.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	260	100.0	49	US-08-842-385-10	Sequence 10, Appl
2	260	100.0	49	US-09-991-681-31	Sequence 31, Appl

3	260	100.0	467	12	US-08-842-385-6	Sequence 6, Appl
4	260	100.0	518	25	US-09-991-681-27	Sequence 27, Appl
5	260	100.0	1770	1	PCT-US03-01943-44	Sequence 44, Appl
6	260	100.0	1770	27	US-10-144-138-44	Sequence 44, Appl
7	260	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
8	260	100.0	1839	30	US-10-416-993-495	Sequence 495, App
9	260	100.0	1839	30	US-10-416-993-495	Sequence 495, App
10	260	100.0	1872	1	PCT-US03-04508-32	Sequence 32, Appl
11	260	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, A
12	260	100.0	2221	1	PCT-US03-01943-30	Sequence 30, Appl
13	260	100.0	2221	27	US-10-144-138-30	Sequence 30, Appl
14	70.5	27.1	309	30	US-10-419-128-17975	Sequence 17975, A
15	68	26.2	133	30	US-10-437-963-135832	Sequence 135832, A
16	67	25.8	195	1	PCT-US01-08656-9053	Sequence 9053, Ap
17	65	25.0	693	30	US-10-419-128-24059	Sequence 24059, A
18	64.5	24.8	501	30	US-10-419-128-21596	Sequence 21596, A
19	63.5	24.4	132	28	US-09-758-446-1669	Sequence 1669, Ap
20	63.5	24.4	132	28	US-09-758-446-1669	Sequence 1669, Ap
21	63	24.2	70	1	PCT-US01-00663-34316	Sequence 34316, A
22	63	24.2	70	23	US-09-864-761-44434	Sequence 44434, A
23	63	24.2	70	27	US-10-183-993-33256	Sequence 33256, A
24	63	24.2	70	28	US-10-203-134-34171	Sequence 34171, A
25	63	24.2	70	28	US-10-203-133-33418	Sequence 33418, A
26	63	24.2	70	28	US-10-203-136-34264	Sequence 34264, A
27	63	24.2	70	28	US-10-203-137-34316	Sequence 34316, A
28	63	24.2	70	28	US-10-203-139-32981	Sequence 32981, A
29	63	24.2	171	1	PCT-US01-08631-52610	Sequence 52610, A
30	63	24.2	504	30	US-10-419-128-22374	Sequence 22374, A
31	62.5	24.0	210	30	US-10-424-599-180951	Sequence 180951, A
32	62	23.8	87	20	US-09-644-265-116	Sequence 116, App
33	62	23.8	87	28	US-10-263-828-116	Sequence 116, App
34	62	23.8	567	30	US-10-419-128-28435	Sequence 28435, A
35	61.5	23.7	407	31	US-60-453-050-9016	Sequence 9016, Ap
36	61.5	23.7	407	31	US-60-453-050-9016	Sequence 9016, Ap
37	61.5	23.7	407	31	US-60-453-133-9016	Sequence 9016, Ap
38	61.5	23.7	407	31	US-60-453-133-9016	Sequence 9016, Ap
39	61.5	23.7	833	30	US-10-437-963-183706	Sequence 183706, A
40	61	23.5	171	30	US-10-419-128-18380	Sequence 18380, A
41	61	23.5	179	30	US-10-437-963-179732	Sequence 179732, A
42	61	23.5	250	1	PCT-US02-30474-1778	Sequence 1778, Ap
43	61	23.5	250	26	US-10-097-105-1562	Sequence 1562, Ap
44	61	23.5	250	31	US-60-324-631-1783	Sequence 1783, Ap
45	61	23.5	250	31	US-60-453-050-13346	Sequence 13346, A

## ALIGNMENTS

RESULT 1  
US-08-842-385-10  
Sequence 10, Application US/08842385  
GENERAL INFORMATION:  
APPLICANT: Russell, John  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE PROSTATE  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESS: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
FILING DATE:  
APPLICATION NUMBER: US/08/842,385  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Forembksi, Priscilla E  
 REGISTRATION NUMBER: 33,207  
 REFERENCE/DOCKET NUMBER: 6084.US.01  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 847/937-6365  
 TELEFAX: 847/938-2623  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 49 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: None  
 US-08-842-385-10

Query Match 100.0%; Score 260; DB 12; Length 49;  
 Best Local Similarity 100.0%; Pred. No. 6.6e-25;  
 Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 49  
 Db 1 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 49

RESULT 2  
 US-09-991-681-31  
 Sequence 31, Application US/09991681  
 GENERAL INFORMATION:  
 APPLICANT: BILLING-MEDEL, PATRICIA  
 COHEN, MAURICE  
 COLPITTS, TRACEY L.  
 FRIEDMAN, PAUL N.  
 GORDON, JULIAN  
 GRANADOS, EDWARD N.  
 HODGES, STEVEN C.  
 KLASS, MICHAEL R.  
 KRATOCHVIL, JON D.  
 ROBERTS-RAPP, LISA  
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE PROSTATE  
 NUMBER OF SEQUENCES: 33  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Abbott Laboratories  
 STREET: 100 Abbott Park Road  
 CITY: Abbott Park  
 STATE: IL  
 COUNTRY: USA  
 ZIP: 60064-3500  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/991,681  
 FILING DATE: 26-Nov-2001  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/065,383  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Becker, Cheryl L.  
 REGISTRATION NUMBER: 35,441  
 REFERENCE/DOCKET NUMBER: 6084.US.PI  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 847/935-1729  
 TELEFAX: 847/938-2623  
 TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 31:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 49 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: None  
 SEQUENCE DESCRIPTION: SEQ ID NO: 31:  
 US-09-991-681-31

Query Match 100.0%; Score 260; DB 25; Length 49;  
 Best Local Similarity 100.0%; Pred. No. 6.6e-25;  
 Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 49  
 Db 1 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 49

RESULT 3  
 US-08-842-385-6  
 Sequence 6, Application US/08842385  
 GENERAL INFORMATION:  
 APPLICANT: Russell, John  
 COLPITTS, TRACEY  
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE PROSTATE  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Abbott Laboratories  
 STREET: 100 Abbott Park Road  
 CITY: Abbott Park  
 STATE: IL  
 COUNTRY: USA  
 ZIP: 60064-3500  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/842,385  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Forembksi, Priscilla E  
 REGISTRATION NUMBER: 33,207  
 REFERENCE/DOCKET NUMBER: 6084.US.01  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 847/937-6365  
 TELEFAX: 847/938-2623  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 467 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: None  
 US-08-842-385-6

Query Match 100.0%; Score 260; DB 12; Length 467;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-23;  
 Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 49  
 Db 342 EPLGPGDSPLLQRPQHLMQGMHRSFSAGPELLRQDKRPRSGSTGS 390

RESULT 4  
US-09-991-681-27  
Sequence 27, Application US/09991681  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
COHEN, MAURICE  
COLPITTS, TRACEY L.  
FRIEDMAN, PAULA N.  
GORDON, JULIAN  
GRANADOS, EDWARD N.  
HODGES, STEVEN C.  
KLASS, MICHAEL R.  
KRATOCHVIL, JON D.  
ROBERTS-RAP, LISA  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE PROSTATE  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/991,681  
FILING DATE: 26-Nov-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/065,383  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6084.US.PI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 518 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: None  
SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-09-991-681-27  
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Best Local Similarity 100.0%; Pred. No. 1.2e-23;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 393 EPLGPRGDSPLLRPOHLMDOGMHRSFASAGPELLRQDKRRPSGSGTS 441  
RESULT 5  
PCT-US03-01943-44  
Sequence 44, Application PC/TUS0301943  
GENERAL INFORMATION:  
APPLICANT: ORIGENE TECHNOLOGIES INC  
TITLE OF INVENTION: CANCER GENES  
FILE REFERENCE: 3U 9U 901 PCT  
CURRENT APPLICATION NUMBER: PCT/US03/01943  
CURRENT FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 10/054,935

PRIOR FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: US 60/356,130  
PRIOR FILING DATE: 2002-02-14  
PRIOR APPLICATION NUMBER: US 10/102,946  
PRIOR FILING DATE: 2002-03-22  
PRIOR APPLICATION NUMBER: US 10/117,229  
PRIOR FILING DATE: 2002-04-08  
PRIOR APPLICATION NUMBER: US 10/144,198  
PRIOR FILING DATE: 2002-05-14  
PRIOR APPLICATION NUMBER: US 10/197,824  
PRIOR FILING DATE: 2002-07-19  
NUMBER OF SEQ ID NOS: 102  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US03-01943-44  
Query Match 100.0%; Score 260; DB 1; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 5.8e-23;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1645 EPLGPRGDSPLLRPOHLMDOGMHRSFASAGPELLRQDKRRPSGSGTS 1693  
RESULT 6  
US-10-144-198-44  
Sequence 44, Application US/10144198  
GENERAL INFORMATION:  
APPLICANT: Origene Technologies Inc  
TITLE OF INVENTION: Regulated Prostate Cance Genes  
FILE REFERENCE: 9U 105 R1  
CURRENT APPLICATION NUMBER: US/10/144,198  
CURRENT FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 44  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 44  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-144-198-44  
Query Match 100.0%; Score 260; DB 27; Length 1770;  
Best Local Similarity 100.0%; Pred. No. 5.8e-23;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EPLGPRGDSPLLRPOHLMDOGMHRSFASAGPELLRQDKRRPSGSGTS 49  
DB 1645 EPLGPRGDSPLLRPOHLMDOGMHRSFASAGPELLRQDKRRPSGSGTS 1693  
RESULT 7  
PCT-US01-08631-40087  
Sequence 40087, Application PC/TUS0108631  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 21272-049  
CURRENT APPLICATION NUMBER: PCT/US01/08631  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 40087  
LENGTH: 1807  
TYPE: PRT  
ORGANISM: Homo sapiens

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: LOCATION: (48)..(62)
: OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,
: OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
: NAME/KEY: DOMAIN
: LOCATION: (941)..(950)
: OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
: OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087

Query Match          100.0%; Score 260; DB 1; Length 1807;
Best Local Similarity 100.0%; Pred. No. 6e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 49
Db 1682 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 1730

RESULT 8
PCT-US01-42950-495
: Sequence 495, Application PC/TUS0142950
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-096
: CURRENT APPLICATION NUMBER: PCT/US01/42950
: PRIOR FILING DATE: 2001-11-16
: PRIOR APPLICATION NUMBER: 09/714,936
: PRIOR FILING DATE: 2000-11-17
: NUMBER OF SEQ ID NOS: 682
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 495
: LENGTH: 1839
: TYPE: PRT
: ORGANISM: Homo sapiens
PCT-US01-42950-495

Query Match          100.0%; Score 260; DB 1; Length 1839;
Best Local Similarity 100.0%; Pred. No. 6.1e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 49
Db 1714 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 1762

RESULT 9
US-10-416-993-495
: Sequence 495, Application US/10416993
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-096
: CURRENT APPLICATION NUMBER: US/10/416,993
: PRIOR FILING DATE: 2003-11-16
: PRIOR APPLICATION NUMBER: 09/774,936
: PRIOR FILING DATE: 2000-11-17
: NUMBER OF SEQ ID NOS: 682
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 495
: LENGTH: 1839
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-416-993-495

Query Match          100.0%; Score 260; DB 30; Length 1839;
Best Local Similarity 100.0%; Pred. No. 6.1e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 49
Db 1714 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 1762

RESULT 10
PCT-US03-04508-32
: Sequence 32, Application PC/TUS0304508
: GENERAL INFORMATION:
: APPLICANT: IDEC PHARMACEUTICALS
: APPLICANT: GATELY, DENNIS
: TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
: FILE REFERENCE: 037003/0301985
: CURRENT APPLICATION NUMBER: PCT/US03/04508
: CURRENT FILING DATE: 2003-02-19
: PRIOR APPLICATION NUMBER: 60/357,140
: PRIOR FILING DATE: 2002-02-19
: PRIOR APPLICATION NUMBER: 60/396,082
: PRIOR FILING DATE: 2002-07-17
: PRIOR APPLICATION NUMBER: 60/386,759
: PRIOR FILING DATE: 2002-06-10
: NUMBER OF SEQ ID NOS: 93
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 32
: LENGTH: 1872
: TYPE: PRT
: ORGANISM: Homo sapiens
PCT-US03-04508-32

Query Match          100.0%; Score 260; DB 1; Length 1872;
Best Local Similarity 100.0%; Pred. No. 6.2e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 49
Db 1747 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 1795

RESULT 11
PCT-US01-08631-40090
: Sequence 40090, Application PC/TUS0108631
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-049
: CURRENT APPLICATION NUMBER: PCT/US01/08631
: PRIOR FILING DATE: 2001-03-30
: PRIOR APPLICATION NUMBER: 09/540,217
: PRIOR FILING DATE: 2000-03-31
: PRIOR APPLICATION NUMBER: 09/649,167
: PRIOR FILING DATE: 2000-08-23
: NUMBER OF SEQ ID NOS: 60736
: SOFTWARE: Custom
: SEQ ID NO 40090
: LENGTH: 1982
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: DOMAIN
: LOCATION: (11)..(25)
: OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX.
: OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.
: OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
: OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

Query Match          100.0%; Score 260; DB 1; Length 1982;
Best Local Similarity 100.0%; Pred. No. 6.7e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 49
Db 1714 EPLGPGODSPLLORPQHLMDQGMRHSFSAGPELLRQDKRPRSGSTGS 1762
```

Db 1796 EPLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 1844

RESULT 12

PCT-US03-01943-30

Sequence 30, Application PC/TUS0301943

GENERAL INFORMATION:

APPLICANT: ORIGENE TECHNOLOGIES INC

TITLE OF INVENTION: CANCER GENES

FILE REFERENCE: 3U 901 PCT

CURRENT APPLICATION NUMBER: PCT/US03/01943

CURRENT FILING DATE: 2002-01-25

PRIOR APPLICATION NUMBER: US 10/054,935

PRIOR FILING DATE: 2002-01-25

PRIOR APPLICATION NUMBER: US 60/356,130

PRIOR FILING DATE: 2002-02-14

PRIOR APPLICATION NUMBER: US 10/102,946

PRIOR FILING DATE: 2002-03-22

PRIOR APPLICATION NUMBER: US 10/117,229

PRIOR FILING DATE: 2002-04-08

PRIOR APPLICATION NUMBER: US 10/144,198

PRIOR FILING DATE: 2002-05-14

PRIOR APPLICATION NUMBER: US 10/197,824

PRIOR FILING DATE: 2002-07-19

NUMBER OF SEQ ID NOS: 102

SOFTWARE: PatentIn version 3.1

SEQ ID NO 30

LENGTH: 2221

TYPE: PRT

ORGANISM: Homo sapiens

PCT-US03-01943-30

Query Match 100.0%; Score 260; DB 1; Length 2221;

Best Local Similarity 100.0%; Pred. No. 7.7e-23;

Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EPLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 49

Db 2096 EPLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 2144

RESULT 13

US-10-144-198-30

Sequence 30, Application US/10144198

GENERAL INFORMATION:

APPLICANT: Origene Technologies Inc

TITLE OF INVENTION: Regulated Prostate Cance Genes

FILE REFERENCE: 9U 105 R1

CURRENT APPLICATION NUMBER: US/10/144,198

CURRENT FILING DATE: 2002-05-14

NUMBER OF SEQ ID NOS: 44

SOFTWARE: PatentIn version 3.0

SEQ ID NO 30

LENGTH: 2221

TYPE: PRT

ORGANISM: Homo sapiens

US-10-144-198-30

Query Match 100.0%; Score 260; DB 27; Length 2221;

Best Local Similarity 100.0%; Pred. No. 7.7e-23;

Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EPLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 49

Db 2096 EPLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 2144

RESULT 14

US-10-419-128-17975

Sequence 17975, Application US/10419128

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196,136

CURRENT APPLICATION NUMBER: US/10/419,128

CURRENT FILING DATE: 2003-04-21

PRIOR APPLICATION NUMBER: US/09/252,991

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 17975

LENGTH: 309

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-10-419-128-17975

Query Match 27.1%; Score 70.5; DB 30; Length 309;

Best Local Similarity 41.5%; Pred. No. 6.4;

Matches 22; Conservative 3; Mismatches 19; Indels 9; Gaps 2;

OY 2 PLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 45

Db 194 PLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 246

RESULT 15

US-10-437-963-135832

Sequence 135832, Application US/10437963

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with Plant Improvement

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 135832

LENGTH: 133

TYPE: PRT

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT\_MRT4530\_3746C.1.pep

US-10-437-963-135832

Query Match 26.2%; Score 68; DB 30; Length 133;

Best Local Similarity 27.8%; Pred. No. 4.6;

Matches 25; Conservative 6; Mismatches 17; Indels 42; Gaps 3;

OY 2 PLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 45

Db 40 PLGPRGDSPLLQRPQHLMDOGMHRSFASGAPPELLRQDKRRSGSGTS 99

OY 22 OGMHRSFASGAPPELLRQDKRRSGSGTS 49

Db 100 KGPAMSLSSLPASQTSLEDHPLSGATES 129

Search completed: July 25, 2003, 17:07:11

Job time : 76.8272 secs

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GenCore version 5.1.6  
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OK protein - protein search, using sw model

Run on: July 25, 2003, 16:48:03 ; Search time 1.3631 seconds  
(without alignments)  
147.608 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260

Sequence: 1 EPLGRGDSPLLRPOHLM.....SAGPELLRQDKRPSGSGTGS 49

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 41799 seqs, 4106219 residues

Total number of hits satisfying chosen parameters: 41799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/2/paa/PCR\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	260	100.0	1872	6	US-10-367-978-32 Sequence 32, Appl
2	67	25.8	195	6	US-10-273-573-9053 Sequence 9053, Ap
3	56	21.5	149	6	US-10-273-573-8476 Sequence 8476, Ap
4	56	21.5	205	6	US-10-273-573-9052 Sequence 9052, Ap
5	52	20.0	1239	5	US-09-291-417D-13 Sequence 13, Appl
6	51	19.6	139	6	US-10-273-573-7947 Sequence 7947, Ap
7	50.5	19.4	167	6	US-10-273-573-8693 Sequence 8693, Ap
8	50.5	19.4	1233	5	US-09-291-417D-89 Sequence 89, Appl
9	50	19.2	501	6	US-10-273-573-7079 Sequence 7079, Ap
10	50	19.2	501	6	US-10-273-573-7748 Sequence 7748, Ap
11	50	19.2	501	6	US-10-273-573-8445 Sequence 8445, Ap
12	50	19.2	603	6	PCT-US02-18638A-186 Sequence 186, App
13	49	18.8	87	6	US-10-273-573-8772 Sequence 8772, Ap
14	49	18.8	205	6	US-10-464-368-49 Sequence 49, Appl
15	49	18.8	364	6	US-10-273-573-7365 Sequence 7365, Ap
16	49	18.8	1888	6	US-10-273-573-7597 Sequence 7597, Ap
17	48	18.5	525	6	US-10-294-433-740 Sequence 740, App
18	48	18.5	1026	6	US-10-294-433-793 Sequence 793, App
19	48	18.5	1121	7	US-60-478-196-3008 Sequence 3008, Ap
20	47	18.1	96	6	US-10-273-573-10953 Sequence 10953, A
21	47	18.1	393	6	US-10-391-363A-7 Sequence 7, Appl
22	47	18.1	2153	6	US-10-273-573-10697 Sequence 10697, A
23	47	18.1	6820	1	PCT-US03-18787-101 Sequence 101, App
24	47	18.1	6820	1	PCT-US03-19069-101 Sequence 101, App
25	46	17.7	207	6	US-10-273-573-7584 Sequence 7584, Ap
26	46	17.7	827	7	US-60-478-196-3004 Sequence 3004, Ap

27	46	17.7	6842	1	PCT-US03-18787-131	Sequence 131, App
28	46	17.7	6842	1	PCT-US03-19069-131	Sequence 131, App
29	45.5	17.5	319	1	PCT-US03-19589-12	Sequence 12, Appl
30	45.5	17.5	390	6	US-10-273-573-9127	Sequence 9127, Ap
31	45.5	17.5	513	6	US-10-273-573-6751	Sequence 6751, Ap
32	45.5	17.5	704	7	US-60-478-196-3006	Sequence 3006, Ap
33	45.5	17.5	124	6	PCT-US03-19660-26	Sequence 26, Appl
34	45	17.3	185	6	US-10-273-573-6194	Sequence 6194, Ap
35	45	17.3	379	6	US-10-273-573-10415	Sequence 10415, A
36	45	17.3	379	6	US-10-273-573-6457	Sequence 6457, Ap
37	45	17.3	591	5	US-09-291-417D-103	Sequence 103, App
38	45	17.3	764	6	US-10-294-433-328	Sequence 328, App
39	45	17.3	1550	6	US-10-273-573-6391	Sequence 6391, Ap
40	45	17.3	4074	6	US-10-358-063-1	Sequence 1, Appl
41	44.5	17.1	723	7	US-60-479-073-457	Sequence 457, App
42	44.5	17.1	1994	6	US-10-294-433-339	Sequence 339, App
43	44.5	17.1	2041	6	US-10-294-433-338	Sequence 338, App
44	44	16.9	141	6	US-10-273-573-8282	Sequence 8282, Ap
45	44	16.9	239	6	US-10-273-573-8834	Sequence 8834, Ap

#### ALIGNMENTS

```
RESULT 1
US-10-367-978-32
Sequence 32, Application US/10367978
GENERAL INFORMATION:
APPLICANT: GATELY, DENNIS
TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
FILE REFERENCE: 037003-0301988
CURRENT APPLICATION NUMBER: US/10/367,978
CURRENT FILING DATE: 2003-02-19
PRIOR APPLICATION NUMBER: 60/357,140
PRIOR FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: 60/396,082
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: 60/386,759
PRIOR FILING DATE: 2002-06-10
NUMBER OF SEQ ID NOS: 89
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 32
LENGTH: 1872
TYPE: PRT
ORGANISM: Homo sapiens
US-10-367-978-32

Query Match          100.0%; Score 260; DB 6; Length 1872;
Best Local Similarity 100.0%; Pred. No. 2,1e-27;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EPLGRGDSPLLRPOHLMDSGMRHSFASPELLRQDKRPSGSGTGS 49
Db      1747 EPLGRGDSPLLRPOHLMDSGMRHSFASPELLRQDKRPSGSGTGS 1795

RESULT 2
US-10-273-573-9053
Sequence 9053, Application US/10273573
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-066
CURRENT APPLICATION NUMBER: US/10/273,573
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: 09/522,929
PRIOR FILING DATE: 2000-04-18
PRIOR APPLICATION NUMBER: 09/770,160
PRIOR FILING DATE: 2001-01-26
NUMBER OF SEQ ID NOS: 10994
SOFTWARE: Custom
SEQ ID NO 9053
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: LENGTH: 195
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: DOMAIN
: LOCATION: (33)..(48)
: OTHER INFORMATION: Wt/rasp5/WMP domain proteins domain identified by eMATRIX,
: OTHER INFORMATION: accession number B101159, p-value=3.077e-15, raw score of 13.85
US-10-273-573-9053

Query Match
Best Local Similarity 25.8%; Score 67; DB 6; Length 195;
Matches 18; Conservative 6; Mismatches 18; Indels 6; Gaps 2;

Db
4 GPRGDSPLLPQHLMDGOMRHSFSAPELLRQDK--RRSGSTGS 49
55 GKNGGEPARVRCSHLT---VKHSQSRPSSMRQEKITRTKGGPGS 98

RESULT 3
: Sequence 8476, Application US/10273573
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: US/10/273,573
: CURRENT FILING DATE: 2002-10-18
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 8476
: LENGTH: 149
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(149)
: OTHER INFORMATION: Xaa - X or * as defined in Table 2
US-10-273-573-8476

Query Match
Best Local Similarity 21.5%; Score 56; DB 6; Length 149;
Matches 21; Conservative 4; Mismatches 15; Indels 14; Gaps 4;

Db
4 GPRGDSPLLP--QRPQHLMD--QGOMRHSFSAPELLRQDKRR--SGSTGS 49
8 GNTGQRPVPLPPLPPHPPIHLVSRHKGKLRHGPF-----LRPMPEPRGLESGKTS 55

RESULT 4
: Sequence 9052, Application US/10273573
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: US/10/273,573
: CURRENT FILING DATE: 2002-10-18
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 9052
: LENGTH: 205
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:

NAME/KEY: DOMAIN
LOCATION: (176)..(202)
OTHER INFORMATION: P1C-type peptidyl-prolyl cis-trans isomerase proteins domain
OTHER INFORMATION: identified by eMATRIX, accession number B101096C, p-value=6.06
US-10-273-573-9052

Query Match
Best Local Similarity 21.5%; Score 56; DB 6; Length 205;
Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;

Db
4 GPRGDSPLLPQHLMDGOMRHSFSAPELLRQDKRRPS 44
45 GKNGGEPARVRCSHLT---VKHSQSRPSSMRQEKITRT 81

RESULT 5
: Sequence 13, Application US/09291417D
: GENERAL INFORMATION:
: APPLICANT: PLOWMAN, GREGORY
: APPLICANT: MARTINEZ, RICARDO
: TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
: FILE REFERENCE: 038602/0329
: CURRENT APPLICATION NUMBER: US/09/291,417D
: CURRENT FILING DATE: 1999-04-13
: PRIOR APPLICATION NUMBER: 60/081,784
: PRIOR FILING DATE: 1998-04-14
: NUMBER OF SEQ ID NOS: 155
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 13
: LENGTH: 1239
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-291-417D-13

Query Match
Best Local Similarity 20.0%; Score 52; DB 5; Length 1239;
Matches 20; Conservative 4; Mismatches 15; Indels 6; Gaps 3;

Db
8 QDSPLLPQHLMDGOMRHSFSAPELL--RQDK--RRSGST 47
637 RDSPLGSGQONSQAGQ--RNSTSLPRLMRERKLVPRGSGSS 680

RESULT 6
: Sequence 7947, Application US/10273573
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: US/10/273,573
: CURRENT FILING DATE: 2002-10-18
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 7947
: LENGTH: 139
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(139)
: OTHER INFORMATION: Xaa - X or * as defined in Table 2
US-10-273-573-7947

Query Match
Best Local Similarity 19.6%; Score 51; DB 6; Length 139;
Matches 15; Conservative 3; Mismatches 17; Indels 4; Gaps 1;
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Matches 21: Conservative 1: Mismatches 22: Indels 12: Gaps 4:  
Qy 2 PLGPR---GODSPILQ-RPOHLMDOGMHRSFSAG---PELLRODKRPRGSGTG 48  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | :  
Db 78 PGGDVMEGGPPTPLQHRSPH---PGGERHGSFSKPPPPGSRPQKERRKGNG 130

RESULT 7  
US-10-273-573-8693  
; Sequence 8693, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hysq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273,573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522,929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770,160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO: 8693  
; LENGTH: 167  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(167)  
; OTHER INFORMATION: Xaa - X or \* as defined in Table 2  
US-10-273-573-8693

Query Match 19.4% Score 50.5; DB 6; Length 167;  
Best Local Similarity 31.7% Pred. No. 3.1;  
Matches 13: Conservative 5; Mismatches 10; Indels 13; Gaps 1;  
Qy 2 PLGPRGODSPILQ-RPOHLMDOGMHRSFSAGPELLRODKRP 42  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | :  
Db 113 PGGGGEAPLRLR-----SSSGRPARLRPSRSP 140

RESULT 8  
US-09-291-417D-89  
; Sequence 89, Application US/09291417D  
; GENERAL INFORMATION:  
; APPLICANT: PLOMAN, GREGORY  
; APPLICANT: MARTINEZ, RICARDO  
; APPLICANT: WHITE, DAVID  
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
; FILE REFERENCE: 038602/0329  
; CURRENT APPLICATION NUMBER: US/09/291,417D  
; CURRENT FILING DATE: 1999-04-13  
; PRIOR APPLICATION NUMBER: 60/081,784  
; PRIOR FILING DATE: 1998-04-14  
; NUMBER OF SEQ ID NOS: 155  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 89  
; LENGTH: 1233  
; TYPE: PRT  
; ORGANISM: Murine sp.  
US-09-291-417D-89

Query Match 19.4% Score 50.5; DB 5; Length 1233;  
Best Local Similarity 40.0% Pred. No. 35;  
Matches 18: Conservative 4; Mismatches 18; Indels 5; Gaps 2;  
Qy 8 QDSPILQRPQHLMDQGMHRSFSAGPELL-RQDK---RPRSGST 47  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | :  
Db 627 RDSPLGGGQNSQAGQRNSTSSIEPRLMERVEKLVPRPGSGSS 671

RESULT 9  
US-10-273-573-7079

; Sequence 7079, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hysq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273,573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522,929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770,160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO: 7079  
; LENGTH: 501  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (463)..(486)  
; OTHER INFORMATION: TRANSFORMING PROTEIN P21 RAS SIGNATURE domain identified by  
; OTHER INFORMATION: EMATRIX, accession number PR00449E, p-value=8.714e-13, raw sco  
; OTHER INFORMATION: 13.50  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (287)..(501)  
; OTHER INFORMATION: Ras family domain identified by Pfam, accession name ras, E-  
; OTHER INFORMATION: value=0.0015, Pfam score of -96.4  
US-10-273-573-7079

Query Match 19.2% Score 50; DB 6; Length 501;  
Best Local Similarity 26.8% Pred. No. 14;  
Matches 15: Conservative 10; Mismatches 13; Indels 18; Gaps 2;  
Qy 3 LGPRGDSPLQRPQH-----LMDQGMHRSFSAGPELL-RODK 40  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | :  
Db 281 IGPKGKIGQKNRTOHGSKSVYRLAVATKTPRVVNOIEFFRTFTLTGTLDLRDK 336

RESULT 10  
US-10-273-573-7748  
; Sequence 7748, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hysq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273,573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522,929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770,160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO: 7748  
; LENGTH: 501  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (463)..(486)  
; OTHER INFORMATION: TRANSFORMING PROTEIN P21 RAS SIGNATURE domain identified by  
; OTHER INFORMATION: EMATRIX, accession number PR00449E, p-value=8.714e-13, raw sco  
; OTHER INFORMATION: 13.50  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (287)..(501)  
; OTHER INFORMATION: Ras family domain identified by Pfam, accession name ras, E-  
; OTHER INFORMATION: value=0.0015, Pfam score of -96.4  
US-10-273-573-7748

Query Match 19.2% Score 50; DB 6; Length 501;  
Best Local Similarity 26.8% Pred. No. 14;

Matches 15; Conservative 10; Mismatches 13; Indels 18; Gaps 2;  
Qy 3 LGPRGDSPLLRPOH-----LMDGQMRHSFASGPEL-LRODK 40  
Db 281 IGPGRKIGOKKRNRTQHSKSVTVRLAVTKTRPVNQIEFTFTLTGKIDLRODK 336

RESULT 11  
US-10-273-573-8445  
; Sequence 8445, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273, 573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522, 929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770, 160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO: 8445  
; LENGTH: 501  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (463)..(486)  
; OTHER INFORMATION: TRANSFORMING PROTEIN P21 RAS SIGNATURE domain identified by  
; OTHER INFORMATION: EMATRIX, accession number PR00449E, p-value=8.714e-13, raw score  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (287)..(501)  
; OTHER INFORMATION: Ras family domain identified by Pfam, accession name ras, E-  
; OTHER INFORMATION: value=0.0015, Pfam score of -96.4  
US-10-273-573-8445

Query Match 19.2%; Score 50; DB 6; Length 501;  
Best Local Similarity 26.8%; Pred. No. 14;  
Matches 15; Conservative 10; Mismatches 13; Indels 18; Gaps 2;

Qy 3 LGPRGDSPLLRPOH-----LMDGQMRHSFASGPEL-LRODK 40  
Db 281 IGPGRKIGOKKRNRTQHSKSVTVRLAVTKTRPVNQIEFTFTLTGKIDLRODK 336

RESULT 12  
PCT-US02-18638A-186  
; Sequence 186, Application PC/TUS0218638A  
; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc. et al.  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
; TITLE OF INVENTION: OF CERVICAL CANCER  
; FILE REFERENCE: MRI-035PC  
; CURRENT APPLICATION NUMBER: PCT/US02/18638A  
; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: US 60/298,159  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/298,155  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/335,936  
; PRIOR FILING DATE: 2001-11-14  
; NUMBER OF SEQ ID NOS: 238  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO: 186  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US02-18638A-186

Query Match 19.2%; Score 50; DB 1; Length 603;  
Best Local Similarity 27.3%; Pred. No. 17;  
Matches 15; Conservative 9; Mismatches 11; Indels 20; Gaps 2;

Qy 6 RGQDSPLLRPO-----HLMDOGMRHSFASGPEL-LRODK 40  
Db 345 KGLENPLEPERKEEPPVARETGEVVDCHLSDMLQQLHSVNASKPSRGLVRODE 399

RESULT 13  
US-10-273-573-8772  
; Sequence 8772, Application US/10273573  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-066  
; CURRENT APPLICATION NUMBER: US/10/273, 573  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: 09/522, 929  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: 09/770, 160  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 10994  
; SOFTWARE: Custom  
; SEQ ID NO: 8772  
; LENGTH: 87  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc-feature  
; LOCATION: (1)..(87)  
; OTHER INFORMATION: Xaa - X or \* as defined in Table 2  
US-10-273-573-8772

Query Match 18.8%; Score 49; DB 6; Length 87;  
Best Local Similarity 27.1%; Pred. No. 2.3;  
Matches 16; Conservative 5; Mismatches 26; Indels 12; Gaps 1;

Qy 3 LGPRGDSPLLRPOHLMDOGMRHS-----FSAGPELRLRODKRPSGSGTGS 49  
Db 8 LGSQPPPPVLRRESHSLSPSWSEYSHTCNFCRCRGFVLPRLTLXSRRPSSSXT 66

RESULT 14  
US-10-464-368-49  
; Sequence 49, Application US/10464368  
; GENERAL INFORMATION:  
; APPLICANT: Krumlauf, Robb  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION  
; FILE REFERENCE: 40716-IP-017  
; CURRENT APPLICATION NUMBER: US/10/464, 368  
; CURRENT FILING DATE: 2003-06-16  
; PRIOR APPLICATION NUMBER: 60/368, 970  
; PRIOR FILING DATE: 2002-06-14  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 49  
; LENGTH: 205  
; TYPE: PRT  
; ORGANISM: MOUSE  
US-10-464-368-49

Query Match 18.8%; Score 49; DB 6; Length 205;  
Best Local Similarity 28.8%; Pred. No. 6.4;  
Matches 15; Conservative 10; Mismatches 17; Indels 10; Gaps 3;

Qy 5 PRGQDSPLLRPOHLMDOGMRHSFASGPELRLRODK--RPSGSGTGS 49  
Db 152 PRSKRVLVASCKKRPTRFHNSGLK---DFGDETARPOGKRPRGARGA 200

RESULT 15

US-10-273-573-7365  
 ; Sequence 7365, Application us/10273573  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hysq, Inc  
 ; TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES  
 ; FILE REFERENCE: 21272-066  
 ; CURRENT APPLICATION NUMBER: US/10/273,573  
 ; CURRENT FILING DATE: 2002-10-18  
 ; PRIOR APPLICATION NUMBER: 09/522,929  
 ; PRIOR FILING DATE: 2000-04-18  
 ; PRIOR APPLICATION NUMBER: 09/770,160  
 ; PRIOR FILING DATE: 2001-01-26  
 ; NUMBER OF SEQ ID NOS: 10994  
 ; SOFTWARE: Custom  
 ; SEQ ID NO 7365  
 ; LENGTH: 364  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-273-573-7365

Query Match 18.8%; Score 49; DB 6; Length 364;  
 Best Local Similarity 25.9%; Pred. No. 13;  
 Matches 15; Conservative 9; Mismatches 14; Indels 20; Gaps 2;  
 Qy 10 SPLQRPQHLMDQCMRHSF---SAGPELRODKR-----PRGSGT 47  
 ||| | : : | : : : | | : |  
 Db 43 SPLLGPRPILRGCTILETLCLPTISAPSLHRSRSDAKCSSAAYVGRSAEPRPGT 100

Search completed: July 25, 2003, 17:08:43  
 Job time : 1.3631 secs

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